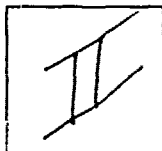


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DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

SIEGENBURG GERMANY GUNNERY  
RANGE  
N 48 45 E 011 48 ELEV: 1325 FT

WBAN #-4199

PARTS A-F  
FOR FROM HOURLY OBS APR 68-AUG 70  
FOR FROM DAILY OBS APR 68-MAR 70

OCT 28 1971

FEDERAL BUILDING  
ASHEVILLE, N. C.

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1. REPORT NUMBER USAFETAC/DS- 80/58	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Siegenberg Germany Gunnery Range		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
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17. DISTRIBUTION STATEMENT of the abstract entered in Block 20, if different from Report																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Siegenberg Germany Gunnery Range It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables  
  
\*Germany      \*\*Siegenberg Germany Gunnery Range
20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurring tables.

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DATA PROCESSING DIVISION  
UNIFORMS CL-1  
AIR WEATHER SERVICE (WAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations received by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP DATA NOT AVAILABLE

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY 00-02, 03-05 18-20, 21-23	APRIL 00-02, 03-05, 21-23 00-02	JULY 00-02, 03-05 18-20, 21-23	OCTOBER 00-02, 03-05 18-20, 21-23
FEBRUARY 00-02, 03-05 18-20, 21-23	MAY 03-05, 21-23 00-02	AUGUST 00-02, 03-05 18-20, 21-23	NOVEMBER 00-02, 03-05 18-20, 21-23
MARCH 00-02, 03-05 18-20, 21-23	JUNE 00-02, 18-20, 21-23	SEPTEMBER 00-02, 03-05 18-20, 21-23	DECEMBER 00-02, 03-05 18-20, 21-23



DATA PROCESSING DIVISION  
HEADQUARTERS  
AIR WEATHER SERVICE (AAS)  
ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

This on A-1 is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Flaring time - This item, if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sum of the individual categories may exceed the percentage total column. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this category; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

1 DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		12.6	.5	6.7		18.9	69.3	23.7			91.4	377
FEB			14.3		19.7		30.4	31.1	25.9			56.4	386
MAR			10.2		15.3		23.8	36.8	31.4			66.5	428
APR			18.3		7.0		24.8	12.6	13.1			25.3	505
MAY		.4	10.6				10.6	7.3	10.7			17.3	505
JUN		.4	11.0				11.0	9.7	9.9			19.6	610
JUL		.5	11.4				11.4	13.7	18.6			31.9	708
AUG		1.1	13.4				13.4	25.3	25.0			49.5	649
SEP			4.0				4.0	28.4	26.8			55.0	573
OCT			13.1		.1		13.1	39.2	22.8			60.9	674
NOV			16.6	.2	4.7		21.1	25.3	15.7			40.5	404
DEC			4.2	3.2	7.6		15.0	42.0	22.9			64.5	417
TOTALS		.2	11.6	.3	5.1		16.5	28.4	20.8			48.2	6336

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 69-70 YEARS JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAR	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02												
	03-05												
	06-08		14.0	1.8	7.9		22.8	75.4	14.0			57.7	114
	09-11		13.4		6.2		17.0	76.8	14.3			91.1	112
	12-14		10.9		5.5		16.4	79.6	20.0			91.8	110
	15-17		12.2		7.3		19.5	51.2	46.3			95.1	41
	18-20												
	21-23												
TOTALS			12.6	.5	6.7		19.9	69.3	29.7			91.4	377

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 69-70 YEARS FEB MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH FROST	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02												
	03-05												
	06-08		17.1		23.4		35.1	42.3	10.8			53.2	111
	09-11		18.9		20.7		35.1	29.7	19.8			46.8	111
	12-14		11.7		21.6		30.6	29.7	33.3			63.1	111
	15-17		9.4		13.2		20.8	22.6	39.6			62.3	93
	18-20												
	21-23												
TOTALS			14.3		19.7		30.4	31.1	25.9			56.4	386

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

34199 STATION      SIEGENBURG GERMANY GUNNERY RANGE      69-70      YEARS      MAR      MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02												
	03-05												
	06-08		9.2		14.2		23.3	33.3	23.3			76.7	120
	09-11		6.7		18.5		23.5	43.7	29.4			70.6	119
	12-14		11.2		21.6		29.3	31.0	37.1			63.8	116
	15-17		13.7		6.8		19.2	19.2	35.6			54.8	72
	18-20												
	21-23												
TOTALS			10.2		15.3		23.8	36.8	31.4			66.5	428

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS APR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												
	03-05												
	06-08		28.9		8.1		36.3	29.6	5.9			35.6	135
	09-11		23.9		9.4		31.2	19.6	11.6			31.2	138
	12-14		23.2		6.5		29.7	11.6	12.3			23.9	138
	15-17		15.7		11.2		27.0	2.2	15.7			15.7	89
	18-20								20.0			20.0	5
	21-23												
TOTALS			18.3		7.0		24.8	12.6	13.1			25.3	503

1

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

34199  
STATIONSIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME68-70  
YEARSMAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02												
	03-05												
	06-08		18.8				18.8	30.1	15.8			42.9	133
	09-11		19.2				19.2	3.1	23.1			26.2	130
	12-14		9.8				9.8	2.3	11.4			13.6	132
	15-17	2.0	5.0				5.0	1.0	3.0			4.0	101
	18-20												9
	21-23												
TOTALS		.4	10.6				10.6	7.3	10.7			17.3	505

1 DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE 68-70  
STATION NAME YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02												
	03-05												5
	06-08		18.9				18.9	21.3	8.5			29.9	164
	09-11	.6	15.1				15.1	11.4	14.5			25.9	166
	12-14	.6	12.7				12.7	11.5	12.7			24.2	163
	15-17	.9	8.2				8.2	4.5	13.6			18.2	110
	18-20												
	21-23												
TOTALS		.4	11.0				11.0	9.7	9.9			19.6	610

1 DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70  
STATION STATION NAME YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02												
	03-05												
	06-08		12.2				12.2	35.1	19.7			53.2	188
	09-11	.5	13.8				13.8	14.4	22.1			36.4	195
	12-14	1.6	13.7				13.7	4.7	16.8			21.6	190
	15-17		5.9				5.9	.7	15.6			16.3	135
	18-20												
	21-23												
TOTALS		.5	11.4				11.4	19.7	18.6			31.9	708

DATA PROCESSING DIVISION  
JSAF ETAC  
AIR WEATHER SERVICE/VAC

# WEATHER CONDITIONS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 66-70 YEARS AUG MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												
	03-05												
	06-08	1.1	13.9				13.9	55.6	17.2			70.6	180
	09-11	1.1	21.4				21.4	26.9	29.7			56.0	182
	12-14	1.1	12.9				12.9	15.7	28.1			43.8	178
	15-17	.9	5.5				5.5	2.8	24.8			27.5	109
	18-20												
	21-23												
TOTALS		1.1	13.4				13.4	25.3	25.0			49.5	649

1

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

34199  
STATIONSIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME68-70  
YEARSSEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02												
	03-05												
	06-08		3.8				3.8	65.6	14.8			79.8	183
	09-11		3.8				3.8	32.8	32.8			65.6	186
	12-14		5.9				5.9	9.1	34.9			44.1	186
	15-17		2.5				2.5	5.9	24.6			30.5	118
	18-20												
	21-23												
TOTALS			4.0				4.0	28.4	26.8			55.0	673

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USAF ETAC  
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# WEATHER CONDITIONS

34199 STATION 34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS OCT MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05												
	06-08		16.8		.5		16.8	66.5	12.0			78.5	191
	09-11		21.0				21.0	50.8	24.6			71.8	195
	12-14		9.4				9.4	28.1	27.6			34.7	192
	15-17		5.2				5.2	11.5	27.1			38.5	96
	18-20												
	21-23												
TOTALS			13.1		.1		13.1	39.2	22.8			60.9	674

1

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

34199  
STATIONSIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME68-70  
YEARSNOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02												
	03-05												
	06-08		19.3	.8	2.5		22.7	34.3	11.8			46.2	119
	09-11		16.5		7.4		24.0	32.2	19.8			51.2	121
	12-14		18.3		7.0		23.5	28.1	20.9			46.1	115
	15-17		12.2		2.0		14.3	8.2	10.2			18.4	49
	18-20												
	21-23												
TOTALS			16.6	.2	4.7		21.1	25.3	15.7			40.5	404

1

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

34199

STATION

SIEGENBURG GERMANY GUNNERY RANGE

STATION NAME

68-70

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02												
	03-05												
	06-08		5.0	3.7	10.0		20.7	47.1	20.7			67.1	140
	09-11		5.2	4.4	11.1		20.7	55.6	18.9			73.3	135
	12-14		6.7	2.5	9.2		18.9	47.9	17.6			65.5	119
	15-17							17.4	34.8			32.2	23
	18-20												
	21-23												
TOTALS			4.2	3.2	7.6		19.0	42.0	22.9			64.5	417

DATA PROCESSING DIVISION  
BRAC/USAF  
AIR WEATHER SERVICE (WAC)  
ASHEVILLE, NORTH CAROLINA

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DATA NOT AVAILABLE	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DATA NOT AVAILABLE	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DATA NOT AVAILABLE	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amount is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0300 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,  
~~but was not included in the summary of the day observation after Jan 1956.~~



## EXTREME VALUES

~~34199~~ ~~SIEGENBURG GERMANY GUNNERY RANGE~~ ~~68-70~~

[illegible]

USAF ETAC FORM 0-88-5 (OU)

## EXTREME VALUES

## SNOWFALL

24189	STIEGENBURG GERMANY GUNNERY RANGE	70	
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### 24 HOUR AMOUNTS IN INCHES

[illegible]

USAF ETAC FORM 0-5 (OCT 64)

## EXTREME VALUES

# SNOWFALL

(FROM DAILY OBSERVATIONS)

**YEARS**

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

USAF-ETAC FORM 0-88-5 (CU)

## EXTREME VALUES

**SNOW DEPTH**  
(FROM DAILY OBSERVATIONS.)

~~34199- STATION~~ ~~SIEGENBURG GERMANY GUNNERY RANGE~~ ~~68-70~~  
STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

USAF ETAC FORM 0-88-5 (OLI)

## EXTREME VALUES

**SNOW DEPTH**  
(FROM DAILY OBSERVATIONS.)

~~24199~~ ~~SIEGENBURG GERMANY GUNNERY RANG2~~ ~~68-70~~  
STATION STATION NAME

YEAR

DAILY SNOW DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

DATA PROCESSING DIVISION  
BPAO/USAF  
AIR WEATHER SERVICE (AWO)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

### DATA NOT AVAILABLE

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular 11 specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: EXCLUDED CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 68-70 ALL MONTH  
ALL WEATHER CLASS ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.2	.0								1.7	5.0
NNE	.4	.9	.2	.1								1.6	4.9
NE	.7	1.6	.8	.1								3.2	5.4
ENE	1.4	3.8	1.7	.4								7.3	5.6
E	1.6	4.1	1.7	.4	.0							7.8	5.7
ESE	.8	1.9	.8	.1								3.5	5.4
SE	.3	1.0	.5	.0								1.8	5.6
SSE	.4	.9	.2	.0								1.4	4.8
S	.6	1.3	.3	.1	.0							2.4	5.1
SSW	.3	1.0	.6	.2								2.0	6.2
SW	.3	1.1	1.4	.3	.0							3.2	7.2
WSW	1.0	4.1	6.1	1.9	.2							13.1	7.8
W	1.7	7.0	5.5	1.6	.3							16.1	7.0
WNW	.7	1.8	1.6	.3								4.4	6.4
NW	.4	.9	.6	.2	.0							2.0	6.2
NNW	.5	.7	.4	.1								1.7	5.3
VARBL	1.5	.7	.0		.0							2.2	3.3
CALM												24.4	
	13.0	32.6	22.9	5.7	.5							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 6344

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 69-70 MONTH JAN

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.1										1.1	4.3
ENE	4.2	6.4	.5									11.1	4.0
E	5.3	7.4	.8									13.5	4.0
ESE	1.3	3.4	1.9									6.6	5.8
SE		.8										.8	4.7
SSE	.5											.5	2.5
S	.3											.3	2.0
SSW	.5	.3	.8									1.6	5.8
SW		.5	.8	.3								1.6	7.7
WSW	.3	3.4	3.4	.5								6.6	7.1
W	1.6	5.3	1.1									8.0	4.9
WNW		1.1										1.1	4.5
NW	.5											.5	2.5
NNW													
VARBL	.8	.3										1.1	2.8
CALM												45.6	
	15.4	28.9	9.3	.8								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 377

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36199 SIEGENBURG GERMANY GUNNERY RANGE 69-70 YEARS FEB  
STATION NAME MONTH  
CLASS ALL WEATHER  
CONDITIONS  
HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3			.3								.3	9.0
NNE	.8	1.5	.5									2.8	4.6
NE	.3	1.3	1.0									2.6	5.8
ENE	.5	3.9										4.4	4.7
E	.8	2.1	.3									3.1	4.6
ESE	.5	1.8	.3									2.6	4.3
SE		.3	.8									1.0	7.5
SSE	.5	1.9										2.1	4.0
S	1.6	1.8	.8									4.1	4.4
SSW	.3	1.8	.8	.8								3.6	7.4
SW	.8	1.6	2.6	.8								5.7	7.5
WSW	2.1	4.9	8.8	2.3	1.3							19.4	8.7
W	1.8	3.6	5.4	1.6	1.0							13.5	8.4
WNW	1.0	.5	1.3									2.8	6.5
NW													
NNW	.3	.3										.5	3.5
VARBL	.8	.5										1.3	3.4
CALM												29.8	
	12.2	27.5	22.5	5.7	2.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 386

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 34199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 69-70 MONTH MAR  
CLASS ALL WEATHER HOURS (L.S.T.) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	.2									.9	4.5
NNE	1.2	2.6	.5									4.2	4.7
NE	1.4	3.0	1.2									5.6	4.9
ENE	.2	10.3	3.7	.7								15.0	6.1
E	.9	4.7	1.4	.5								7.5	6.1
ESE		2.1	.7	.2								3.0	6.2
SE	.2	.2	.2									.7	5.0
SSE													
S		1.2	.7									1.9	6.8
SSW	.5	.7	.2									1.4	5.0
SW		.7	1.4									2.1	7.6
WSW	1.6	1.2	8.6	1.2								12.6	8.4
W	.7	4.7	2.8	.7								8.9	6.7
WNW		.7	.5									1.2	5.6
NW													
NNW			.2									.2	9.0
VARBL		1.4										1.4	5.2
CALM												33.4	
	7.0	33.9	22.4	3.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 428

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.8	1.2	.2								3.4	5.8
NNE	.2	.4										.6	4.0
NE		.2	.8									1.0	7.4
ENE	.2	1.4	1.0	.4								3.0	6.8
E	.2	1.2	1.2	.2								2.8	6.4
ESE		.4	1.0									1.4	7.6
SE	.2	.2	.8									1.2	7.2
SSE	.4	1.0										1.4	4.0
S		1.6	.8									2.4	5.9
SSW		.4	.8									1.0	6.8
SW		.8	2.0	.8	.2							3.8	8.7
WSW	.4	6.2	8.4	7.2								22.1	9.1
W	1.0	10.2	11.4	4.2	1.2							27.9	8.3
WNW	1.4	1.6	2.2	.8								6.0	7.0
NW	.4	2.2	1.2		.2							4.0	6.3
NNW		1.6	1.0	.2								2.8	6.6
VARBL	1.2	1.6										2.6	4.4
CALM												12.7	
	6.8	31.5	33.5	19.9	1.6							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 502

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.6	3.7
NNE	.4	.8	.6	.4								2.1	6.9
NE	.2	1.9	3.1	.4								5.6	7.1
ENE	.8	3.1	2.3	.8								7.0	6.5
E	1.7	3.9	3.7	1.2	.2							10.3	7.2
ESE	.6	1.2	1.7	.2								3.7	6.3
SE	.4	.6	1.0	.2								2.1	7.5
SSE	.4	.6	.2	.2								1.2	6.3
S		1.0	1.2	.8	.2							3.1	8.6
SSW	.2	1.2	.8									2.1	5.9
SW	.2	1.0	2.5	.6								4.5	8.7
WSW		1.2	6.6	2.3								10.1	8.9
W	1.6	5.8	6.8	1.6								15.7	6.9
WNW	.8	1.9	2.1	.8								5.6	6.8
NW	.4	1.6	1.7	1.6								5.2	8.2
NNW	.6	.4	.6	.2								1.7	5.8
VARBL	1.6	1.6										2.7	3.2
CALM												16.7	
	9.9	27.1	36.7	11.2	.4							109.0	6.0

TOTAL NUMBER OF OBSERVATIONS 516

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

24199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.3									1.1	5.1
NNE	.8	.3	.2	.2								1.6	4.8
NE	1.1	1.0	.2	.2								2.5	4.1
ENE	1.5	5.1	3.4	.8								10.8	6.4
E	.8	3.6	3.8	.7								8.7	6.9
ESE	.7	2.0	.7	.5								3.8	6.3
SE	.3	.7	.3									1.3	5.9
SSE	.2	1.0	.3									1.5	4.9
S	.5											.3	2.3
SSW		1.1	.3	.2								1.6	6.9
SW	.7	.8	.2	.2								1.8	5.0
WSW	1.6	5.6	4.4	.3								11.8	6.1
W	3.1	11.1	8.9	2.8								25.9	6.7
WNW	.8	2.1	2.6	.7								6.2	7.0
NW	.3	1.3	1.8	.3								3.9	7.4
NNW	1.0	1.1	1.5	.3								3.9	6.3
VARBL	1.6	.7										2.3	5.1
CALM												10.5	
	15.4	37.9	29.0	7.2								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 610

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 68-70 MONTH JUL

CLASS ALL WEATHER

CONDITION \_\_\_\_\_

ALL  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	.6									2.1	5.2
NNE	.1	1.3	.1									1.0	4.7
NE	.6	1.6	.4									2.5	4.8
ENE	1.0	3.0	2.8	.4								7.2	6.2
E	.7	3.1	2.8	1.7								8.3	7.4
ESE	.4	2.3	1.3									4.2	5.9
SE		1.0	.4									1.4	6.0
SSE	.4	1.1	.8									2.4	6.4
S	.6	1.4	.3									2.3	4.3
SSW	.4	1.0	.6	.4								2.4	6.8
SW	.1	2.0	2.2	.1								4.5	6.8
WSW	.3	3.0	4.0	.6								7.8	7.5
W	1.6	7.2	8.1	2.4	.1							19.4	7.4
WNW	1.0	3.7	4.1	.8								9.6	7.0
NW	.2	1.7	.4									2.4	5.3
NNW	.8	1.0	.4									2.3	5.0
VARBL	1.1	.3										1.4	2.8
CALM												18.2	
	10.0	35.7	29.4	6.5	.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 708

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS  
ALL WEATHER CLASS  
AUG MONTH  
ALL MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.2	1.1									6.2	3.1
NNE	.2	.6										.8	4.0
NE	1.1	2.2	.8	.2								4.2	3.3
ENE	1.8	1.7	.6	.5								4.6	3.0
E	1.4	4.3	1.4	.2								7.2	3.4
ESE	.6	1.2	1.1									2.9	6.0
SE	.3	.6	.5									1.4	3.1
SSE	.2	.9	.2									1.2	4.3
S	.8	2.3	1.1									4.2	3.3
SSW	.5	.8	1.5	.2								2.9	6.3
SW	.6	1.1	1.8	.3								3.9	6.6
WSW	1.5	5.2	7.9	.2								14.8	6.7
W	2.2	6.9	4.6	.3								14.2	3.9
WNW	.6	3.2	1.7									5.5	3.7
NW	.8	.6	.6									2.0	4.9
NNW	1.2	.3	.3									1.8	3.8
VARBL	2.0	1.4										3.4	3.2
CALM												18.6	
	16.8	37.8	25.1	1.8								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 649

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 68-70 MONTH SEP

ALL WEATHER

ALL

HOURLY (L.S.T.)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.7										1.2	4.4
NNE	.7	1.3										2.2	4.0
NE	.7	2.8	.4	.1								4.2	5.2
ENE	2.2	3.3	1.2	.3								5.1	4.9
E	1.9	3.6	1.2									6.8	4.8
ESE	1.0	2.9	.1									3.7	4.5
SE	.3	1.8	.4									2.3	5.2
SSE	.3	.3	.1									.7	3.6
S	1.2	1.3	.4									3.0	4.5
SSW	.4	1.6	.6	.1								2.8	5.5
SW	.3	1.9	1.0	.1								3.4	6.3
WSW	1.2	3.3	4.6	2.2								13.5	7.2
W	2.2	3.6	3.3	.7	.7							12.6	6.6
WNW	1.2	1.9	.6	.1								3.3	4.9
NW	.6	.6	.3									1.5	4.8
NNW	.7	.7	.3									1.8	4.0
VARBL	2.5	.6										3.1	2.9
CALM												22.0	
	18.1	40.8	14.7	3.9	.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 673

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 69-70 OCT  
STATION 24199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 69-70 OCT  
CLASS ALL WEATHER HOURS (LST) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.1										.9	3.5
NNE		.4	.1									.6	6.3
NE	.9	.7	.6									2.2	4.6
ENE	2.4	3.0	.3									5.6	4.2
E	1.6	3.4	1.0									6.1	4.8
ESE	1.0	1.2	.9									3.1	4.9
SE	.6	1.3	.9									2.8	5.7
SSE		.4	.2									.7	5.6
S	.1	.7	.1									1.0	4.7
SSW	.1	.9	.3									1.3	5.6
SW	.1	.6	1.3	.4								2.3	7.8
WSW	1.0	4.3	7.6	2.5	.1							15.6	8.0
W	1.5	7.6	5.6	3.3								17.8	7.5
WNW	.1	1.3	1.2									2.7	6.8
NW	.3	.7	.1									1.2	4.4
NNW	.1	1.5	.1									1.8	5.3
VARBL	2.5	.1	.1									2.8	2.8
CALM												31.2	
	12.4	28.3	20.8	6.2	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 674

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 69-70 MONTH NOV

CLASS ALL WEATHER MONTH ALL

CONDITION \_\_\_\_\_

HOURS (L S T) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	.2									1.5	4.3
NNE	.5	1.2		.2								2.0	5.3
NE	.5	2.0	2.0	.2								4.7	6.3
ENE	1.5	1.0	2.0	.2								4.7	6.3
E	2.2	4.2	.5	.2								7.2	4.6
ESE	1.5	2.5	.2									4.2	4.0
SE	.7	1.7	.2									2.7	4.5
SSE	1.5	2.2										3.7	3.8
S	2.0	2.5										4.5	3.7
SSW	.2	1.5										1.7	4.0
SW	.2	1.2	.2									1.7	4.7
WSW	.7	3.2	3.9	.5	.7							16.1	8.5
W	2.0	7.2	3.4	.2								14.9	6.2
WNW	1.0	1.5	.5									3.0	4.7
NW	.5	.5										1.0	3.5
NNW	.2	.7										1.0	4.3
VARBL	.7	.2										1.0	3.3
CALM												24.5	
	16.3	36.4	17.3	4.7	.7							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 404

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2										.7	3.3
NNE	.5	.7	.2									1.4	4.3
NE	.7	1.4										2.2	4.1
ENE	.5	3.6	2.2									6.2	6.1
E	2.4	7.4	1.6									11.3	4.9
ESE	1.9	1.9										3.8	3.4
SE	.5	2.4										2.9	4.3
SSE	.5	1.6										1.9	4.1
S	.2	1.2										1.4	3.7
SSW		.7	.2	.2								1.2	6.0
SW	.5	.7	.5	.5								2.2	6.9
WSW	.7	3.4	3.1	.2	.2							7.7	7.1
W	1.2	6.2										7.4	4.4
WNW	.2											.2	3.0
NW	.2											.2	2.0
NNW													
VARBL	1.7	.3			.2							2.4	4.4
CALM												46.8	
	12.2	31.9	7.7	1.0	.5							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 417

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36199  
STATION

STEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

69-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.8										1.8	4.0
ENE	5.3	2.6										7.9	3.4
E	9.6	7.0										16.7	3.2
ESE		4.4	1.8									6.1	3.7
SE		.9										.9	3.0
SSE	.9											.9	2.0
S	.9											.9	2.0
SSW	.9											.9	2.0
SW			.9									.9	7.0
WSW	.9	1.8	1.8	.9								5.3	6.2
W	2.6	3.3										7.9	4.3
WNW		1.8										1.8	3.0
NW													
NNW													
VARBL	.9											.9	2.0
CALM												47.4	
	21.9	25.4	6.4	.9								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 114

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

# SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE STATION NAME 69-70 YEARS  
ALL WEATHER CLASS  
CONDITION  
JAN MONTH  
0900-1100 HOURS (L S T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	5.4	7.1										12.5	3.7
E	2.7	8.0	.9									11.6	4.3
ESE	.9	5.4	2.7									8.9	6.6
SE													
SSE													
S													
SSW	.9	.9	1.8									3.6	6.0
SW		.9	.9									1.8	7.5
WSW		2.7	2.7									5.4	6.8
W	.9	3.6										4.5	4.6
WNW													
NW													
NNW													
VARBL	.9											.9	2.0
CALM												50.9	
	11.6	28.6	8.9									100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 112

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 69-70 YEARS JAN MONTH  
CLASS ALL WEATHER 1200-1400 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.9										.9	3.0
ENE	2.7	10.0	.9									13.6	4.5
E	3.6	7.3	1.8									12.7	4.7
ESE	2.7	.9	1.8									5.5	3.5
SE		1.8										1.8	4.5
SSE	.9											.9	3.0
S													
SSW			.9									.9	9.0
SW			.9	.9								1.8	10.0
WSW		1.8	6.5									6.4	7.4
W		6.4	3.6									10.0	5.9
WNW		1.8										1.8	4.0
NW	.9											.9	2.0
NNW													
VARBL	.9	.9										1.8	3.5
CALM												40.9	
	11.8	31.8	16.5	.9								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 110

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 69-70 MONTH JAN  
CLASS ALL WEATHER HOURS (LST) 1500-1700  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		2.4										2.4	4.0
ENE	2.4	4.9	2.4									9.8	5.0
E	4.9	7.3										12.2	3.8
ESE	2.4	2.4										4.9	3.0
SE													
SSE													
S													
SSW													
SW		2.4										2.4	4.0
WSW		4.9	7.3	2.4								14.6	7.8
W	4.9	7.3										12.2	4.0
WNW													
NW	2.4											2.4	3.0
NNW													
VARBL													
CALM												39.0	
	17.1	31.7	9.8	2.4								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 41

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70 FE9  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 0600-0300  
CLASS HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.9								.9	15.0
NNE	.9	1.8										2.7	3.3
NE	.9	1.8										2.7	4.3
ENE	1.8	4.5										6.3	4.3
E													
ESE													
SE													
SSE		1.8										1.8	4.0
S	.9		.9									1.8	5.0
SSW	.9	3.6										4.5	4.6
SW	.9	2.7	1.8	.9								6.3	7.4
WSW		3.6	11.7	.9	1.8							18.0	9.6
W	3.6	3.6	2.7	.9	.9							11.7	7.0
WNW													
NW													
NNW		.9										.9	4.0
VARBL													
CALM												42.3	
	9.9	24.3	17.1	3.6	2.7							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 111

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 69-70 YEARS FEB NORTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.8	.9	.9									3.6	4.3
NE		.9	.9									1.8	5.5
ENE		6.3										6.3	5.1
E	1.8	1.8										3.6	3.0
ESE		.9										.9	5.0
SE													
SSE	.9	.9										1.8	3.5
S	.9	1.8										2.7	4.7
SSW		2.7	.9									3.6	6.0
SW	.9	.9	2.7									4.5	6.0
WSW	1.8	6.3	8.1	5.4	2.7							24.3	9.8
W	.9	1.8	6.3	1.8								10.8	8.8
WNW	.9	.9	.9									2.7	6.0
NW													
NNW	.9											.9	3.0
VARBL	.9											.9	3.0
CALM												31.5	
	11.7	26.1	20.7	7.2	2.7							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 111

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

69-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9											.9	3.0
NNE		.9	.9									1.8	6.5
NE		.9	.9									1.8	6.0
ENE		3.6										1.8	4.5
E	.9	3.6										4.5	5.0
ESE	1.8	4.5	.9									7.2	4.1
SE			.9									.9	8.0
SSE	.9	1.8										2.7	4.3
S	1.8	2.7	.9									5.4	4.2
SSW				2.7								2.7	13.0
SW		.9	2.7	1.8								5.4	9.5
WSW	4.5	6.3	8.1									18.9	6.3
W	.9	3.6	7.2	.9	2.7							19.3	9.6
WNW	2.7	.9	1.8									5.4	5.7
NW													
NNW													
VAREL	.9	.9										1.8	3.5
CALM												23.4	
	19.3	28.8	26.3	5.4	2.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

111

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34195 STATION SIEGENBURG GERMANY GUNNERY RANGE CLASS ALL WEATHER YEAR 69-70 MONTH FEB  
1500-1700 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		3.8										3.8	5.5
NE		1.9	3.8									5.7	7.3
ENE		1.9										1.9	5.0
E		3.8	1.9									5.7	6.0
ESE		1.9										1.9	5.0
SE		1.9	3.8									5.7	7.3
SSE		1.9										1.9	4.0
S	3.8	3.8	1.9									9.4	4.2
SSW			3.8									3.8	9.0
SW	1.9	1.9	3.8									7.5	6.8
WSW	1.9	1.9	5.7	3.8								13.2	8.7
W	1.9	7.5	5.7	3.8								18.9	7.7
WNW			3.8									3.8	10.0
NW													
NNW													
VARBL	1.9	1.9										3.8	3.5
CALM												13.2	
	11.2	36.0	34.0	7.5								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 53

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 69-70 MONTHS MAR

CLASS ALL WEATHER HOURS (LST) 0600-0800

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.8									.8	7.0
NNE		1.7										1.7	5.5
NE	3.3	4.2	.8									8.3	3.9
ENE	.8	9.2	.8									10.8	4.9
E	.8	3.3	.8									5.0	5.7
ESE													
SE													
SSE													
S													
SSW	.8	.8										1.7	4.0
SW			1.7									1.7	3.0
WSW	3.3	2.5	5.0									10.8	6.3
W		7.5	1.7	1.7								10.8	6.5
WNW													
NW													
NNW													
VARBL													
CALM												48.3	
	9.2	29.2	11.7	1.7								100.0	2.9
TOTAL NUMBER OF OBSERVATIONS													120

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE CLASS 69-70 MAR  
PORTL  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SP ED
N	.8											.8	3.0
NNE	2.5	2.5	.8									5.9	4.7
NE	.8	2.5	.8									4.2	4.8
ENE		9.2	2.5	.8								12.6	6.4
E	.8	6.7	1.7									9.2	5.6
ESE		4.2	1.7	.8								6.7	6.4
SE		.8										.8	5.0
SSE													
S			1.7									1.7	8.0
SSW	.8	1.7										2.5	4.7
SW		1.7										1.7	6.0
WSW	1.7	.8	9.2									11.8	8.1
W	1.7	5.9	1.7									9.2	5.3
WNW													
NW													
NNW													
VARBL		.8										.8	6.0
CALM												31.9	
	9.2	37.0	20.2	1.7								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 119

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
TAXON NAME

49-70  
YEARS

WAR  
MONTHS

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	1.7	3.4										5.2	4.2
NPE	.9	3.6										3.4	4.3
ENE		11.2	5.2	.9								17.2	6.1
E	1.7	5.2	2.6	.9								10.3	6.3
ESE			.9									.9	7.0
SE													
SSE													
S		1.7	.9									2.6	7.3
SSW			.9									.9	8.0
SW		.9	.9									1.7	8.0
WSW	.9	.9	11.2	2.6								15.5	9.2
W		3.6	3.2	.9								9.5	8.2
WNW		1.7	.9									2.6	5.3
NW													
NNW			.9									.9	9.0
VARS		2.6										2.6	5.0
CALM												26.7	
	5.2	33.6	29.3	5.2								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 114

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70 MAR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 1500-1700  
CLASS HOURS (L S T)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥	%	MEAN WIND SPEED
N		2.7										2.7	4.0
NNE		2.7	1.4									4.1	5.3
NE		2.7	4.1									6.8	7.4
ENE		1.4	8.2	1.4								21.9	6.8
E		2.7		1.4								4.1	7.3
ESE		5.5	1.4									6.8	5.8
SE	1.4											1.4	3.0
SSE													
S		4.1										4.1	5.3
SSW													
SW			4.1									4.1	8.0
WSW			9.6	2.7								12.9	10.2
W	1.4		2.7									4.1	7.3
WNW		1.4	1.4									2.7	6.0
NW													
NNW													
VARBL		2.7										2.7	5.0
CALM												21.9	
	2.7	27.0	32.9	5.5								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 73

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

6870  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7									1.5	8.0
NNE													
NE		.7										.7	6.0
ENE	.7	0										3.7	4.6
E		1.3	.7									2.2	5.7
ESE		.7										.7	5.0
SE	.7											.7	2.0
SSE	.7	.7										1.5	3.0
S		2.2	.7									3.0	5.5
SSW													
SW		.7	3.0	.7								4.4	8.7
WSW		5.9	8.1	5.2								19.3	9.0
W	.7	12.3	11.9	.7								26.7	6.8
WNW	1.5	1.5	.7	.7								4.4	5.7
NW	.7	2.2										3.0	3.8
NNW		.7										.7	6.0
VARBL													
CALM												27.4	
	5.2	36.1	25.9	7.6								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 135

DATA PROCESSING DIVISION  
STAG/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

36199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.7										2.9	2.5
NNE													
NE													
ENE		1.4	.7	.7								2.9	8.3
E			1.4	.7								2.2	9.3
ESE			2.2									2.2	8.0
SE		.7	1.4									2.2	8.0
SSE													
S		1.4	.7									2.2	5.7
SSW			.7									.7	7.0
SW		.7	2.2		.7							3.6	9.0
WSW	1.4	5.8	10.9	9.4								27.5	9.2
W	.7	10.1	12.3	3.9	2.2							29.0	8.7
WNW	2.2		2.9									5.1	5.4
NW	.7	2.9	2.2									5.8	5.6
NNW		1.4	2.2									3.6	6.8
VARBL	.7	.7										1.4	4.5
CALM												8.7	
	8.0	26.1	39.9	14.5	2.9							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 138

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.5	1.5	.7								5.1	6.6
NNE	.7	.7										1.5	4.0
NE			2.2									2.2	7.3
ENE													
E		2.2	1.5									3.6	6.2
ESE			1.5									1.5	9.5
SE			.7									.7	10.0
SSE		2.9										2.9	5.0
S			.7									.7	7.0
SSW		1.5	1.5									2.9	6.8
SW		1.5	2.2	.7								4.4	7.7
WSW		8.0	3.1	9.5								22.6	9.2
W	1.5	9.5	8.8	5.8	1.5							27.0	9.2
WNW	1.5	2.2	2.2	1.5								7.3	7.9
NW		.7	2.2		.7							3.6	10.4
NNW		2.2	.7									2.9	6.0
VARBL	2.2	2.2										4.4	4.2
CALM												6.6	
	7.3	35.0	30.7	18.2	2.2							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 137

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 26199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 68-70 MONTH APR  
CLASS ALL WEATHER HOURS (LST) 1500-1700  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1		3.4									4.6	6.5
NNE		1.1										1.1	4.0
NE			1.1									1.1	9.0
ENE		1.1	3.4	1.1								5.7	7.6
E	1.1	1.1	1.1									3.4	4.7
ESE		1.1										1.1	5.0
SE													
SSE	1.1											1.1	2.0
S		3.4	1.1									4.6	6.3
SSW													
SW				2.3								2.3	11.5
WSW		4.6	9.2	3.4								17.2	8.9
W	1.1	6.9	13.8	8.0	1.1							31.0	9.4
WNW		3.4	3.4	1.1								8.0	8.4
NW		2.3										2.3	5.0
NNW		2.3	1.1	1.1								4.6	7.3
VARBL	2.3	3.4										5.7	4.6
CALM												5.7	
	4.9	31.0	37.9	17.2	1.1							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 87

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 69 MONTH APR  
CLASS ALL WEATHER HOURS (L S T) 1800-2000  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE			20.0									20.0	8.0
E													
ESE													
SE			20.0									20.0	7.0
SSE													
S													
SSW													
SW													
WSW			20.0									20.0	7.0
W													
WNW													
NW		20.0										20.0	4.0
NNW													
VARBL													
CALM												20.0	
		20.0	60.0									100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 5

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	3.0
NNE		1.5		.7								2.2	8.0
NF		1.5	1.5									3.0	6.3
ENE	2.2	.7										3.0	3.8
E	3.0	3.0	2.2									8.1	5.4
ESE		1.5										1.5	6.0
SE													
SSE													
S			.7									.7	7.0
SSW		2.2										2.2	5.3
SW		.7	3.0									3.7	9.0
WSW		3.0	6.7	1.5								11.1	7.7
W	2.2	7.4	7.4									17.0	5.9
WNW	.7	.7	.7									2.2	6.7
NW		1.5	.7									2.2	3.7
NNW	.7		.7									1.5	5.0
VARBL													
CALM												40.7	
	9.6	23.7	23.7	2.2								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 135

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 68-70 MONTH MAY  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	1.5										2.2	3.7
NE		2.2	2.2	.7								3.2	7.3
ENE	.7	4.5	3.7	.7								9.7	6.3
E		2.2	6.7	.7								9.7	8.6
ESE	.7	1.5	1.5									3.7	6.0
SE	1.5		.7									2.2	5.0
SSE		1.5										1.5	5.0
S		2.2										2.2	5.0
SSW		2.2	.7									3.0	5.3
SW	.7	.7		1.5								3.0	8.0
WSW		1.5	3.7	2.0								14.2	8.9
W	.7	6.0	6.7	2.2								15.7	7.2
WNW	.7	2.2	1.5	2.2								6.7	7.2
NW	.7	2.2		2.2								5.2	7.7
NNW	.7	.7										1.5	3.5
VARBL	2.2	.7										3.0	3.0
CALM												11.2	
	9.7	32.1	33.6	13.4								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 134

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.5	4.0
NNE	.7		.7									1.5	6.5
NE		.7	4.6	.7								5.9	8.0
ENE		.7	2.2	2.2								5.2	9.6
E	3.0	5.2	4.6	3.7								16.3	7.4
ESE		.7	3.7									4.3	6.8
SE		.7	3.0	.7								4.4	9.2
SSE	1.5	.7		.7								3.0	7.0
S			2.2	1.5								3.7	9.8
SSW			2.2									2.2	8.3
SW		1.5	3.7	.7								5.9	8.5
WSW			3.9	2.2								6.1	9.7
W	3.0	5.2	7.4	3.7								19.9	7.4
WNW	.7	2.2	1.5									4.4	8.8
NW			3.7	2.2								5.9	9.6
NNW			1.5									1.5	8.0
VARBL	.7	2.2										3.0	3.5
CALM												3.7	
	10.4	20.7	46.7	18.5								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 135

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS MAY MONTH  
1900-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			1.0	1.0								1.9	10.5
NE	1.0	3.9	4.9									9.7	6.5
ENE		7.8	2.9									10.7	5.6
E		3.9	1.0		1.0							3.8	7.2
ESE	1.9	1.0	1.9	1.0								3.8	6.5
SE		1.9										1.9	6.0
SSE													
S		1.9	1.9	1.9	1.0							6.8	9.4
SSW	1.0											1.0	3.0
SW		1.0	3.9	1.0								3.8	5.2
WSW			3.9	2.9								6.8	10.4
W		3.9	3.8									9.7	7.2
WNW	1.0	2.9	4.9	1.0								9.7	7.4
NW	1.0	2.9	2.9	1.9								6.7	6.2
NNW	1.0	1.0		1.0								3.9	6.3
VARBL	1.9	2.9										4.9	3.2
CALM												7.8	
TOTAL	8.7	33.0	33.0	11.7	1.9							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 103

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-69  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) D	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			11.1									11.1	7.0
NE													
ENE			11.1									11.1	7.0
E	11.1											11.1	3.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W		11.1										11.1	5.0
WNW			11.1									11.1	10.0
NW													
NNW													
VARBL	11.1											11.1	3.0
CALM												33.3	
	22.2	11.1	33.3									100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

9

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-69  
YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW	20.0	40.0										60.0	4.0
W													
WNW													
NW													
NNW													
VARS.													
CALM												40.0	
	20.0	40.0										100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 5

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 62-73 YEARS JUN  
ALL WEATHER 0:00-23:00  
 CLASS 0000-2300  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.2
NNE	.6	.6										1.2	4.5
NE	1.8	.6	.6									3.0	4.0
ENE	1.8	8.5	1.2									11.6	5.1
E	1.8	3.7	1.8	.6								7.9	5.8
ESE		.6										.6	6.0
SE	.6		.6									1.2	5.0
SSE													
S													
SSW		.6										.6	3.0
SW		1.2										1.2	2.3
WSW	1.8	7.3	4.3	.6								14.0	5.7
W	7.9	11.0	11.0	.6								30.5	5.6
WNW	.6	1.2	.6									2.4	5.0
NW		.6										.6	4.0
NNW		1.8										1.8	3.3
VARBL	1.2											1.2	3.0
CALM												21.3	
	18.9	37.8	20.1	1.8								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 164

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36199 STATION SIEGENBURG GERMANY GUNNERY RANGE 55-70 YEARS JUN MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS

CONDITION

SPEED DENTS DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0		.6									1.2	6.2
NNE													
NE	1.2											1.2	2.0
ENE	2.4	3.0	6.8	1.2								11.4	6.7
E		1.2	7.2									8.4	7.9
ESE	1.2	3.6	1.2	.6								6.6	5.7
S		.6	.6									1.2	7.5
SSE		.6	.6									1.2	6.0
S	.6											.6	3.0
SSW		2.4	.6									3.0	6.0
SW													
WSW	1.2	7.8	7.8									16.9	6.6
W	2.4	13.3	3.6	4.2								23.5	6.5
WNW		3.0	2.4									5.4	6.3
NW		3.0	1.2									4.2	6.1
NNW	1.8	.6	1.8									4.2	5.3
VARS	1.2											1.2	2.0
CALM												9.6	
	32.7	39.3	32.5	6.0								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 164

DATA PROCESSING DIVISION  
2TAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIF. ENBURG GERMANY GUNNERY RANGE  
STATION NAME

69-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	5.0
NNE	1.2	1.2		.6								3.0	5.4
NE	.6	2.4										3.0	4.0
ENE	.6	4.8	3.6	1.2								10.5	7.0
E	.6	3.6	3.0	1.2								8.5	7.4
ESE	1.2	1.8	1.2	.6								4.8	6.4
SE		1.8	.6									2.4	6.3
SSE	.6	1.2	.6									2.4	5.0
S	1.2											1.2	2.0
SSW		.6		.6								1.2	9.5
SW	.6	1.8	.6									3.0	5.2
WSW	.6	3.0	3.6	.6								7.8	7.2
W	.6	11.5	12.1	1.2								25.5	7.0
WNW	1.2	2.4	3.6	1.2								8.5	7.4
NW	.6	.6	3.6	1.2								6.1	8.0
NNW	.6		1.2	1.2								3.0	8.8
VARBL	2.4	1.8										4.2	3.4
CALM												4.2	
	12.7	39.4	33.9	9.7								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 165

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2A199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8	.9									2.7	3.7
NNE	1.8		.9									2.7	4.0
NE	.9	.9		.9								2.7	5.7
ENE	.9	3.6	4.5	.9								10.0	7.1
E	.9	6.4	2.7	.9								10.9	6.4
ESE		1.8		.9								2.7	8.7
SE	.9											.9	3.0
SSE		2.7										2.7	4.0
S													
SSW		.9	.9									1.8	7.0
SW	2.7			.9								3.6	4.5
WSW	2.7	.9	.9									4.5	3.4
W	.9	8.2	7.1	6.4								24.5	6.6
WNW	1.8	1.8	4.5	1.8								10.0	7.9
NW	.9	.9	2.7	.9								5.5	8.5
NNW	1.8	2.7	3.6									8.2	5.9
VARBL	1.8	.9										2.7	3.0
CALM												3.6	
	18.2	33.6	30.9	12.6								100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 110

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

08-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.5										1.6	4.0
NNE		.5										.5	4.0
NE	.5	1.6	.5									2.7	5.2
ENE	.5	2.7	.5									3.7	5.6
E		1.6	1.1									2.7	6.0
ESE	.5	.5										1.1	4.0
SE		1.1										1.1	5.0
SSE	.5	.5	.5									1.6	6.0
S	1.1	1.6										2.7	5.2
SSW		.5										.5	4.0
SW	.5	2.1	.5									3.2	4.8
WSW	.5	1.6	1.6									3.7	6.4
W	2.7	12.8	4.8	1.6								21.8	6.2
WNW	.5	4.8	2.7	.5								9.6	6.7
NW		.5										.5	6.0
NNW		.5	.5									1.1	6.0
VARBL													
CALM												42.0	
	8.5	33.5	13.8	2.1								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

188

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

STIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIP.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	.5									2.1	5.3
NNE	.5	1.5										2.1	4.5
NNE	1.0	1.5	.5									3.1	4.3
ENE		2.6	2.6									5.1	6.7
E	1.0	4.1	3.6	1.0								9.7	6.8
ESE	1.0	4.1	1.5									6.7	5.1
SE		1.5										1.5	4.7
SSE	.5	1.0										1.5	3.7
S	1.0	1.0	.5									2.6	4.4
SSW	.5	1.5										3.1	3.5
SW		2.6	1.5									4.1	6.0
WSW	.5	4.6	4.1	.5								9.7	7.1
W	1.5	8.2	10.3	3.1								23.1	7.6
WNW	1.5	3.1	2.1	1.0								7.7	6.5
NW		1.5										1.5	4.7
NNW	2.1											2.1	2.5
VARBL	1.5	.5										5.1	3.3
CALM												19.3	
	13.2	40.5	27.2	5.6								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 195

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS JUL MONTH  
CLASS ALL WEATHER HOURS (L & T.) 1200-1400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.1	1.1									3.7	5.3
NNE		2.1	.5									2.6	5.2
NE	.5	2.1	.5									3.2	4.8
ENE	1.1	3.2	4.2	1.1								9.5	6.5
E	1.6	4.2	8.7	2.1								11.6	7.0
ESE		3.2	2.1									5.3	6.7
SE		.5	1.1									1.6	7.3
SSE		1.1	.5									1.6	7.0
S		1.6	.5									2.1	5.5
SSW		.5	1.1	1.1								2.6	10.0
SW		2.6	1.6	.5								4.7	7.3
WSW		2.6	6.8	1.1								10.5	6.3
W	.5	4.2	8.4	2.6	.5							16.3	8.4
WNW	1.1	4.2	4.2	1.1								10.5	7.0
NW	.5	3.2	.5									4.2	5.1
NNW	.5	1.6										2.1	4.8
VARBL	1.6											1.6	2.0
CALM												6.3	
	7.9	38.9	36.8	9.5	.5							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 190

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

69-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	8.0
NNE		.7										.7	4.0
NE		.7										.7	6.0
ENE	3.0	3.7	4.4	.7								11.9	5.9
E		2.2	3.0	4.4								9.6	7.5
ESE		2.2	1.5									3.7	7.2
SE		.7	.7									1.5	7.0
SSE	.7	2.2	3.0									5.9	7.3
S		1.5										1.5	4.0
SSW	1.5	1.5	1.5	.7								5.2	6.9
SW			6.7									6.7	8.2
WSW		3.0	3.0	.7								6.7	7.8
W	1.5	2.2	8.9	2.2								14.8	8.1
WNW	.7	2.2	7.4	.7								11.1	8.1
NW	.7	1.5	1.5									3.7	5.8
NNW	.7	2.2	1.5									4.4	6.5
VARBL	1.5	.7										2.2	3.0
CALM												8.9	
	10.4	27.4	43.7	9.6								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 135

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS  
AUG MONTH  
0600-0800 HOURS (L.S.T.)  
ALL WEATHER CLASS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	5.0	1.1									7.8	4.6
NNE													
NE	2.2	.6	.6									3.3	3.7
ENE	3.3	2.8										6.1	3.5
E	.6	.6										1.1	3.6
ESE	1.1											1.1	2.6
SE													
SSE	.6	.6										1.1	4.0
S	.6	1.1										1.7	4.0
SSW	.6	.6	1.1									2.2	5.8
SW		1.1	1.1									2.2	7.3
WSW	1.1	5.0	6.1	.6								11.1	6.5
W	3.9	6.1	9.3	.6								13.9	5.2
WNW	1.1	.6	.6									2.2	4.5
NW	.6											.6	2.0
NNW	.6	.6										1.1	3.5
VARBL		1.1										1.1	4.0
CALM												43.3	
	17.8	25.6	12.2	1.1								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 180

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

STIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	4.4	1.6									6.6	5.4
NNE													
NE	1.1	1.6	.5	.5								3.8	5.9
ENE	1.6	.5	1.6									2.8	4.7
E	2.7	3.3	2.7	.5								9.3	5.6
ESE	.5	1.6	1.1									3.3	6.2
SE	.5	1.1										1.6	4.3
SSE		1.6										1.6	4.7
S	.5	2.7	1.1									4.4	5.6
SSW	.5											.5	3.0
SW	1.6	1.6	1.6	.5								5.3	5.7
WSW	1.1	7.7	7.1									15.9	6.6
W	1.6	10.4	2.2	1.1								15.4	5.8
WNW	.5	1.6	2.2									5.3	6.5
NW	1.1		.5									1.6	4.0
NNW	2.2	.5										2.7	2.8
VARBL	3.8	.5										4.4	2.5
CALM												12.7	
	20.2	39.6	23.6	2.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 182

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.5	.6									5.6	5.3
NNE		1.1										1.1	4.5
NE		3.6	.6									3.6	6.0
ENE	.6	.6	.6	1.7								3.6	3.7
E	.6	6.7	.6									7.9	5.6
ESE		1.7	1.7									3.4	7.3
SE	.6	1.1	1.7									3.4	5.5
SSE		.6	.6									1.1	6.0
S	1.1	2.8	2.8									6.7	6.3
SSW	.6	1.1	2.9									3.6	6.8
SW	.6	1.1	2.8									4.5	6.1
WSW	2.8	3.9	9.0									13.7	6.4
W	1.1	6.2	8.4									13.7	6.6
WNW	.6	3.6	1.1									7.3	3.4
NW	.6	.6	1.1									2.2	5.5
NNW	1.1		.6									1.7	4.3
VAPBL	2.8	1.7										4.5	3.3
CALM												6.2	
	13.5	42.7	26.0	1.7								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 178

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS AUG MONTH  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	.9									3.7	4.8
NNE	.9	1.8										2.8	3.7
NE	.9	3.7	1.8									6.4	5.4
ENE	1.8	3.7										5.5	4.7
E	1.8	8.8	2.8									12.8	5.1
ESE	.9	1.8	1.8									4.6	5.8
SE													
SSE		.9										.9	5.0
S	.9	3.7										4.6	4.2
SSW		1.8	.9	.9								3.7	7.3
SW			1.8	.9								2.8	10.0
WSW	.9	3.7	12.8									17.4	7.4
W	1.8	3.7	4.6									10.1	6.2
WNW		6.4	1.8									8.3	5.9
NW	.9	2.8	.9									4.6	5.6
NNW	.9		.9									1.8	5.3
VARBL	.9	2.8										3.7	4.0
CALM												6.4	
	13.8	46.8	31.2	1.8								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 109

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS SEP MONTH  
CLASS ALL WEATHER 0600-0800 HOURS (L.S.T.)  
LOCATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.1	2.2										3.3	3.8
NE	1.6	2.2										3.8	3.6
ENE	2.2	2.7										4.9	3.7
E	.5	2.2	.5									3.3	4.7
ESE													
SE		1.1										1.1	4.6
SSE	.5											1.5	2.0
S	1.6											1.6	2.3
SSW	1.1	1.6										2.7	4.0
SW		2.2	1.6	.5								4.4	7.4
WSW	1.1	7.7	2.7	1.6								13.1	6.3
W	1.1	3.3	1.6									6.0	5.6
WNW	1.1											1.1	2.5
NW													
NNW	.5											.5	2.0
VARBL	1.1	.5										1.6	2.7
CALM												51.9	
	13.7	25.7	6.6	2.2								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 183

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 68-70 MONTHS SEP  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6										3.7	4.4
NNE		1.1										1.1	3.0
NE	.5	2.7	.5									3.8	5.3
ENE	3.2	6.1	1.6									12.9	4.5
E	2.7	6.5										9.1	6.2
ESE	1.6	3.8										5.4	4.5
SE	.5	1.1	1.6									3.2	6.2
SSE	.5		.5									1.1	4.5
S	.5	1.6	.5									2.7	4.4
SSW		1.6	.5									2.2	5.0
SW	.5	2.7	1.1									4.3	5.4
WSW	1.1	3.8	4.3	3.2								12.4	8.3
W	2.7	7.0	4.8	.5	.5							15.6	6.2
WNW	2.2	2.7	.5									5.4	4.1
NW													
NNW	.5											.5	2.0
VARBL	2.2	1.1										3.2	3.0
CALM												14.5	
	19.9	45.2	16.1	3.8	.5							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 186

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS SEP MONTH  
CLASS ALL WEATHER 1200-1400 HOURS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.1										1.6	6.3
NNE	1.6	1.1										2.7	3.4
NE	.5	3.2	.5									4.3	5.1
ENE	.5	3.2	2.2	.5								6.5	6.3
E	2.7	6.5	2.7									11.8	5.1
ESE	1.1	3.2	.5									4.8	4.8
SE	.5	3.2										3.8	4.4
SSE		.5										.5	6.0
S	.5	2.2	1.1									3.8	5.9
SSW	.5	1.1	.5									2.2	5.3
SW	.5	1.1	1.1									2.7	6.2
WSW	1.1	5.9	8.6	2.2								17.7	7.2
W	1.1	5.4	2.7	.5	2.2							11.8	8.4
WNW	.5	3.8	1.1	.5								5.9	6.1
NW	1.6	1.1	1.1									3.8	4.9
NNW	1.1	2.2										3.2	4.0
VARBL	3.2											3.2	2.3
CALM												9.7	
	17.7	64.6	22.0	3.8	2.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 186

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS SEP  
DATE  
ALL WEATHER  
CLAS  
1500-1700  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS): DIR	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE		1.7										1.7	5.0
NE		3.4	.8	.8								5.1	7.0
ENE	3.4	8.5	.8	.8								13.6	4.9
E	1.7	8.5	1.7									11.9	5.1
ESE	1.7	3.4										5.1	6.0
SE		1.7										1.7	6.0
SSE		.8										.8	6.0
S	2.5	1.7										4.2	4.0
SSW		2.5	1.7	.8								5.1	7.2
SW		1.7										1.7	4.0
WSW	1.7	4.2	1.7	1.7								9.3	6.9
W	3.4	7.6	4.2	2.5								19.5	5.9
WNW	.8	.8	.8									2.5	5.0
NW	.8	1.7										2.5	4.7
NNW	.8	.8	1.7									3.4	5.0
VAZEL	4.2	.8										5.1	3.3
CALM												6.8	
	22.9	30.0	13.6	6.8								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 118

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

34199  
 STATION

SIEGENBURG GERMANY GUNNERY RANGE  
 STATION NAME

68-70  
 YEARS

UCT  
 MONTH

ALL WEATHER  
 CLASS

0600-0800  
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	%	MEAN WIND SPEED
N												
NNE												
NE	.5	1.0	.5								2.1	4.8
ENE	2.1	1.0									3.1	3.3
E	1.6	3.1									4.7	4.0
ESE	.5										.5	3.0
SE	.5		1.6								2.1	7.3
SSE			.5								.5	7.0
S		2.1	.5								2.6	3.4
SSW		2.1									2.1	3.3
SW		1.0	2.6								3.7	7.1
WSW	1.0	3.8	3.8	2.1							14.1	7.1
W	2.6	4.7	3.1	1.6							12.6	6.6
WNW		.5									.5	4.0
NW	1.0										1.0	2.0
NNW		.5									.5	4.0
VARBL	1.0										1.0	2.3
CALM											48.7	
	11.0	22.0	14.1	3.7							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 191

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24199  
STATION

SIEGSHURG GERMANY GUNNERY RANGE  
STATION NAME

69-70  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	3.0
NNE													
NE	1.0	1.5	.5									3.1	4.5
ENE	3.1	3.1										6.2	3.8
E	1.5	5.6	1.5									8.7	4.8
ESE	.5	1.0	1.0									2.6	6.0
SE	1.5	1.0	1.5									4.1	5.5
SSE													
S													
SSW			.5									.5	7.0
SW		1.0	1.5									2.6	6.8
WSW	.5	3.6	11.8	3.6								19.5	8.6
W	.5	7.7	4.6	4.1								30.9	7.3
WNW	.5											.5	5.3
NW			.5									.5	6.0
NNW		2.6										2.6	5.2
VARBL	2.6											2.6	2.4
CALM												29.2	
	12.3	27.2	23.6	7.7								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 195

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24199 STATION NAME SIEGENBURG GERMANY GUNNERY RANGE YEARS 68-70 MONTH OCT  
CLASS ALL WEATHER HOURS (LST) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.5										2.1	3.8
NNE		.5										.5	4.0
NE			1.0									1.0	7.5
ENE	2.1	4.7	.5									7.3	4.6
E	2.1	2.6	1.6									6.2	5.3
ESE	2.1	1.6	1.0									4.7	4.1
SE		2.1										2.1	4.8
SSE		1.6	.5									2.1	5.1
S	.5											.5	2.0
SSW	.5	1.0	.5									2.1	5.5
SW			.5	1.0								1.6	11.3
WSW	1.6	3.1	6.2	2.6	.5							14.1	8.5
W	.5	6.8	9.4	5.2								21.9	8.6
WNW		1.6	3.1									5.6	7.4
NW		2.1										2.1	4.8
NNW		1.6	.5									2.1	6.3
VARBL	3.6		.5									4.2	3.0
CALM												21.9	
	14.6	29.7	24.5	8.9	.5							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 192

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 STATION SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS 001 MONTH 1500-1700  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	3.0
NNE		2.1	1.0									3.1	7.0
NE	3.1											3.1	2.7
ENE	2.1	3.1	1.0									6.2	4.8
E	1.0	1.0	1.0									3.1	5.7
ESE	1.0	3.1	2.1									6.2	5.3
SE		3.1										3.1	5.3
SSE													
S		1.0										1.0	4.0
SSW													
SW	1.0			1.0								2.1	7.5
WSW	1.0	5.2	5.2	1.0								12.5	6.8
W	3.1	13.5	5.2	1.0								22.9	5.8
WNW		5.2	4.2									9.4	7.0
NW		1.0										1.0	4.0
NNW	1.0	1.0										2.1	4.0
VARBL	3.1	1.0										4.2	3.0
CALM												18.7	
	17.7	40.6	19.8	3.1								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 96

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0600-0900  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8										.8	5.0
NNE	.8	.8										1.7	3.0
NE	1.7		2.5									4.2	5.6
ENE	.8	.8	1.7									3.4	6.5
E	2.5	3.4										5.9	4.1
ESE	2.5	3.9										6.4	5.7
SE	.8											.8	2.0
SSE	.8	.8										1.7	3.0
S	2.5	2.5										5.0	3.3
SSW	.8											.8	2.0
SW		.8										.8	5.0
WSW	1.7	2.5	5.9	2.5	.8							13.4	8.8
W	.8	3.0	5.9	.8								12.6	7.2
WNW	.8	.8	1.7									3.4	6.3
NW													
NNW		.8										.8	5.0
VARBL	.8											.8	3.0
CALM												35.3	
	17.6	25.2	17.6	3.4	.8							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 119

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.5										3.3	3.5
NNE		.8		.8								1.7	8.0
E		1.7	1.7									3.3	7.3
ENE	1.7	1.7	.8	.8								5.0	6.3
E	2.5	4.1	.8									7.4	4.3
ESE	.8	1.7										2.5	4.0
SE		3.3										3.3	4.0
SSE	2.5	1.7										4.1	3.0
S	1.7	2.5										4.1	4.2
SSW		1.7										1.7	3.0
SW		1.7	.8									2.5	3.3
WSW		6.6	5.8	3.3	1.7							17.4	9.2
W	.8	8.3	3.3									12.4	5.7
WNW	.8	1.7										2.5	4.0
NW	.8	.8										1.7	3.5
NNW													
VARBL	.8	.8										1.7	4.0
CALM												25.6	
	13.2	41.3	13.2	5.0	1.7							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

121

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.9									.9	7.0
NNE	.9	2.6										3.5	5.0
NE		1.7	1.7	.9								4.3	7.2
ENE	2.6	.9	3.5									7.5	5.6
E	2.6	4.3	.9	.9								8.7	5.0
ESE	1.7	.9	.9									3.5	4.6
SE	.9	2.6	.9									4.3	5.8
SSE	1.7	2.6										4.3	4.0
S	.9	3.5										4.3	4.0
SSW		1.7										1.7	4.0
SW		.9										.9	6.0
WSW		7.8	4.3	6.1								18.3	8.1
W	3.5	8.7	7.0									19.1	5.7
WNW	1.7	2.6										4.3	3.8
NW	.9	.9										1.7	3.5
NNW	.9	.9										1.7	4.0
VARBL													
CALM												11.3	
	18.3	42.6	20.0	7.8								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 115

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

68-70  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		8.2	2.0									10.2	5.4
ENE			2.0									2.0	10.0
E		6.1										6.1	5.0
ESE													
SE	2.0											2.0	2.0
SSE		6.1										6.1	5.3
S	4.1											4.1	2.5
SSW		4.1										4.1	4.0
SW	2.0	2.0										4.1	3.0
WSW	2.0	2.0	10.2									14.3	7.1
W	4.1	6.1	6.1									16.3	6.6
WNW													
NW													
NNW		2.0										2.0	4.0
VARBL	2.0											2.0	2.0
CALM												26.3	
	16.3	36.7	20.4									100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

49

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199 SIEGENBURG GERMANY GUNNERY RANGE 58-70 DEC  
STATION STATION NAME YEARS  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	2.0
NNE	.7											.7	2.0
NE	.7											.7	2.0
ENE		1.4	2.9									4.3	6.8
E	2.9	7.9	.7									11.4	4.4
ESE	2.9	.7										3.6	2.8
SE	.7											.7	3.0
SSE	.7											.7	2.0
S		1.4										1.4	4.0
SSW		1.4	.7	.7								2.9	8.5
SW	1.4	.7		.7								2.9	3.0
WSW	.7	2.9	1.4									5.0	6.3
W		6.4										6.4	4.4
WNW													
NW													
NNW													
VARBL	.7	1.4										2.1	3.3
CALM												56.4	
	12.1	24.3	5.7	1.4								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 140

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS DEC MONTH  
CLASS ALL WEATHER 0900-1100 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.7	2.2										3.0	4.3
ENE	.7	2.2	2.2									5.2	6.6
E	2.2	5.9	2.2									10.4	4.7
ESE	.7	2.2										3.0	3.8
SE	.7	5.2										5.9	4.3
SSE	.7											.7	3.0
S		.7										.7	4.0
SSW		.7										.7	6.0
SW		1.5	.7	.7								3.0	8.5
WSW	1.5	5.2	3.0									6.6	5.5
W	2.2	3.0										5.2	4.1
WNW													
NW													
NNW													
VARBL	3.0											3.0	3.0
CALM												49.6	
	12.6	28.9	8.1	.7								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 135

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE

STATION NAME

68-70

YEARS

DEC

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8										1.7	4.0
NNE	.8	.8	.8									2.5	5.0
NE	.8	1.7										2.5	4.0
ENE	.8	5.0	1.7									7.6	5.8
E	2.5	9.2	1.7									13.4	5.3
ESE	2.5	3.4										5.9	3.6
SE		2.5										2.5	4.7
SSE		2.5										2.5	4.7
S		1.7										1.7	4.0
SSW													
SW													
WSW		2.5	5.0	.8	.8							9.2	9.5
W	1.7	10.1										12.8	4.4
WNW	.8											.8	3.0
NW	.8											.8	2.0
NNW													
VARBL	1.7				.8							2.5	7.3
CALM												34.5	
	13.4	40.3	9.2	.8	1.7							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

119

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

# SURFACE WINDS

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

63-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		8.7										8.7	4.5
NE		4.3										4.3	6.0
ENE		17.4										17.4	3.0
E		4.3										4.3	6.0
ESE													
SE													
SSE		13.0										13.0	4.7
S	4.3											4.3	2.0
SSW													
SW			4.3									4.3	3.0
WSW			4.3									4.3	3.0
W		4.3										4.3	6.0
WNW													
NW													
NNW													
VARBL													
CALM												34.8	
	4.3	52.2	8.7									100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 23

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24199 STATION SIEGENBURG GERMANY GUNNERY RANGE YEARS 68-70 ALL  
INSTRUMENT CIG 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE,  
AND/OR VSBY 1/2 TO 2-1/2 MI w/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N	.9	1.2	.5	.1								2.6	4.8
NNE	.6	.7	.1									1.1	4.6
NE	.8	1.2	.4									2.4	4.6
ENE	1.7	4.2	.5									6.4	4.5
E	2.6	4.1	.4									7.1	4.1
ESE	.9	1.7	.1									2.7	4.0
SE	.3	.7	.1									1.1	4.4
SSE	.3	.3										.5	3.5
S	.4	.5	.1									1.0	3.7
SSW	.2	.5	.4									1.1	5.6
SW	.3	.8	.8	.2								2.0	6.3
WSW	1.5	4.2	4.7	1.0								11.5	6.9
W	2.3	7.2	4.4	.6	.2							14.6	6.2
WNW	1.0	1.9	1.0									3.9	5.3
NW	.5	.5	.4	.1	.1							1.6	6.0
NNW	.4	.6	.2	.1								1.2	5.0
VARBL	1.2	.3										1.5	2.8
CALM												38.0	
	15.6	30.5	19.7	2.0	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1967

1. The following is a summary of the data for the year 1948.  
2. The following is a summary of the data for the year 1949.  
3. The following is a summary of the data for the year 1950.  
4. The following is a summary of the data for the year 1951.

## PART D

## CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 10,000 feet and as a separate class "no ceiling", versus visibility in 10 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - 3 station 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 10,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 0$
NO CEILING														
IV 1800														
IV 1500					91.2									92.6
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500										97.4				98.1
IV 400														
IV 300														
IV 200														
IV 100					95.4		96.6			98.3				100.0
IV 0														

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.6%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAG

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

NO. OF FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	19.9	21.4	25.3	25.8	28.8	28.9	28.9	28.9	27.5	28.8	29.0	29.1	29.2	29.2	29.3	29.3
≥ 20000	22.3	24.2	28.4	28.9	28.9	28.9	28.9	28.9	30.7	30.7	32.0	32.3	32.4	32.4	32.5	32.6
≥ 18000	22.3	24.3	28.5	29.0	29.0	29.0	29.0	29.0	30.8	30.8	32.1	32.4	32.5	32.6	32.7	32.7
≥ 16000	22.3	24.3	28.5	29.0	29.0	29.0	29.0	29.0	30.8	30.8	32.1	32.4	32.5	32.6	32.7	32.7
≥ 14000	22.3	24.3	28.5	29.2	29.2	29.2	29.2	29.2	30.9	30.9	32.2	32.5	32.6	32.7	32.7	32.8
≥ 12000	22.8	24.7	28.9	29.4	29.4	29.4	29.4	29.4	31.1	31.2	32.5	32.8	32.9	32.9	33.0	33.1
≥ 10000	24.4	26.3	30.9	31.5	31.5	31.5	31.5	31.5	33.6	33.6	34.7	35.3	35.3	35.4	35.5	35.5
≥ 9000	25.1	27.0	31.6	32.2	32.2	32.2	32.2	32.2	34.1	34.2	35.7	36.0	36.0	36.1	36.2	36.2
≥ 8000	26.4	28.3	33.1	33.9	33.9	33.9	33.9	33.9	35.7	35.7	37.1	38.1	38.1	38.2	38.3	38.3
≥ 7000	26.5	28.6	33.5	34.2	34.2	34.2	34.2	34.2	36.3	36.3	38.1	38.4	38.5	38.6	38.7	38.7
≥ 6000	27.4	29.5	34.6	35.4	35.4	35.4	35.4	35.4	37.5	37.5	39.8	39.8	39.8	39.9	40.0	40.0
≥ 5000	30.0	32.4	38.3	39.1	39.1	39.1	39.1	39.1	41.3	41.5	43.9	43.9	43.9	43.9	44.0	44.0
≥ 4500	30.2	32.7	38.6	39.4	39.4	39.4	39.4	39.4	41.7	41.8	44.2	44.2	44.2	44.2	44.3	44.3
≥ 4000	31.9	34.6	40.8	41.7	41.7	41.7	41.7	41.7	44.2	44.3	46.7	46.7	46.7	46.7	46.9	47.0
≥ 3500	32.7	35.3	41.9	42.7	42.7	42.7	42.7	42.7	45.3	45.3	47.8	47.8	47.8	47.8	48.1	48.1
≥ 3000	34.1	37.0	43.7	44.6	44.6	44.6	44.6	44.6	47.3	47.4	49.9	49.9	49.9	49.9	50.2	50.2
≥ 2500	41.6	45.0	53.2	54.2	54.2	54.2	54.2	54.2	57.2	57.3	60.1	60.1	60.1	60.1	60.7	60.8
≥ 2000	46.4	50.1	60.1	61.3	61.3	61.3	61.3	61.3	65.1	65.1	69.4	69.4	69.4	69.4	70.2	70.2
≥ 1800	46.9	50.6	60.7	62.0	62.0	62.0	62.0	62.0	66.3	66.3	70.1	70.1	70.1	70.1	70.9	70.9
≥ 1600	48.8	52.9	64.2	66.0	66.0	66.0	66.0	66.0	70.5	71.0	75.8	75.8	75.8	75.8	76.7	76.7
≥ 1400	51.9	56.7	68.6	70.7	70.7	70.7	70.7	70.7	75.8	76.3	81.2	81.2	81.2	81.2	82.1	82.1
≥ 1200	50.0	54.6	68.2	70.7	70.7	70.7	70.7	70.7	76.9	77.6	82.5	82.5	82.5	82.5	83.4	83.4
≥ 1000	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 900	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 800	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 700	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 600	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 500	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 400	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 300	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 200	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 100	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9
≥ 0	50.2	54.6	68.3	71.1	71.1	71.1	71.1	71.1	77.6	78.0	83.0	83.0	83.0	83.0	83.9	83.9

TOTAL NUMBER OF OBSERVATIONS 6346

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

94199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	4.8	5.3	9.0	9.0	9.0	10.3	10.9	11.7	14.9	16.2	16.2	16.2	16.2	16.4	16.4
IV 18000	4.8	5.3	9.0	9.0	9.0	10.3	10.9	11.7	14.9	16.2	16.2	16.2	16.2	16.4	16.4
IV 16000	4.8	5.3	9.0	9.0	9.0	10.3	10.9	11.7	14.9	16.2	16.2	16.2	16.2	16.4	16.4
IV 14000	4.8	5.3	9.0	9.0	9.0	10.3	10.9	11.7	14.9	16.2	16.2	16.2	16.2	16.4	16.4
IV 12000	4.8	5.3	9.0	9.0	9.0	10.3	10.9	11.7	14.9	16.2	16.2	16.2	16.2	16.4	16.4
IV 10000	5.3	5.8	9.8	10.1	10.1	12.5	13.0	14.1	17.3	19.9	19.9	19.9	19.9	20.2	20.2
IV 8000	5.3	5.8	9.8	10.1	10.1	12.5	13.0	14.1	17.3	19.9	19.9	19.9	19.9	20.2	20.2
IV 7000	6.6	7.2	11.4	11.7	11.7	14.1	14.6	15.6	22.3	24.9	24.9	24.9	24.9	25.2	25.2
IV 6000	6.6	7.2	11.4	11.7	11.7	14.1	14.6	15.6	22.3	24.9	24.9	24.9	24.9	25.2	25.2
IV 5000	6.6	7.2	11.4	11.7	11.7	14.1	14.6	15.6	22.3	24.9	24.9	24.9	24.9	25.2	25.2
IV 4500	6.6	7.2	11.4	11.7	11.7	14.1	14.6	15.6	22.3	24.9	24.9	24.9	24.9	25.2	25.2
IV 4000	6.6	7.2	11.4	11.7	11.7	14.1	14.6	15.6	22.3	24.9	24.9	24.9	24.9	25.2	25.2
IV 3500	7.2	8.5	13.6	17.0	17.0	19.4	21.5	22.3	31.0	33.7	33.7	33.7	33.7	34.0	34.0
IV 3000	7.2	8.5	13.6	17.0	17.0	19.4	21.5	22.3	31.0	33.7	33.7	33.7	33.7	34.0	34.0
IV 2500	7.2	8.5	13.6	17.0	17.0	19.4	21.5	22.3	31.0	33.7	33.7	33.7	33.7	34.0	34.0
IV 2000	7.2	8.5	13.6	17.0	17.0	19.4	21.5	22.3	31.0	33.7	33.7	33.7	33.7	34.0	34.0
IV 1800	9.9	10.9	21.9	21.5	21.5	24.9	27.1	28.1	42.2	45.4	45.4	45.4	45.4	45.6	45.6
IV 1500	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 1200	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 1000	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 900	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 800	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 700	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 600	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 500	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 400	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 300	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 200	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 100	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2
IV 0	10.1	11.7	21.2	22.8	22.8	26.3	28.4	29.4	44.8	48.0	48.0	48.0	48.0	48.2	48.2

TOTAL NUMBER OF OBSERVATIONS 377

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34192 WIEGENBURG GERMANY GUNNERY RANGE 69-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	10.1	10.1	15.8	15.8	15.8	16.8	17.6	17.6	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
≥ 20000	10.4	10.4	16.3	16.3	16.3	17.4	18.1	18.1	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 8000	11.1	11.1	17.1	17.1	17.1	18.1	18.9	18.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
IV 6000	11.1	11.1	17.1	17.1	17.1	18.1	18.9	18.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
IV 4000	11.1	11.1	17.1	17.1	17.1	18.1	18.9	18.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
IV 2000	11.1	11.1	17.1	17.1	17.1	18.1	18.9	18.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
IV 5000	11.9	11.9	17.9	17.9	17.9	18.9	19.7	19.7	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
IV 3000	12.2	12.2	18.1	18.1	18.1	19.2	19.9	19.9	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
IV 1500	13.0	13.0	20.5	20.5	20.5	22.0	22.8	22.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 1000	13.0	13.0	20.5	20.5	20.5	22.0	22.8	22.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 6000	13.0	13.0	20.5	20.5	20.5	22.0	22.8	22.8	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
IV 5000	16.3	16.8	28.0	28.0	28.0	29.5	30.3	30.3	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
IV 4500	16.3	16.8	28.0	28.0	28.0	29.5	30.3	30.3	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
IV 4000	16.3	16.8	28.0	28.0	28.0	29.5	30.3	30.3	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
IV 3500	16.8	17.6	28.5	28.5	28.5	30.1	30.8	30.8	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 3000	16.8	17.6	28.5	28.5	28.5	30.1	30.8	30.8	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 2500	21.2	22.0	34.2	34.2	34.2	36.0	36.8	36.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 2000	28.0	28.8	48.4	48.4	48.4	51.7	52.1	52.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 1800	28.0	28.8	48.4	48.4	48.4	51.7	52.1	52.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 1600	28.0	28.8	48.4	48.4	48.4	51.7	52.1	52.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 1400	30.8	31.6	52.6	52.6	52.6	57.3	58.0	58.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 1200	30.8	31.6	52.6	52.6	52.6	57.3	58.0	58.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 1000	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 900	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 800	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 700	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 600	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 500	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 400	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 300	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 200	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 100	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 0	31.6	32.9	60.6	61.4	61.4	67.1	68.7	68.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS 386

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34193 STEGENBURG GERMANY GUNNERY RANGE 1970

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0.25	≥ 0.5	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 15	≥ 20	≥ 25
NO CEILING	9.6	12.1	21.5	21.7	21.7	23.1	24.1	24.1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 20000	9.6	12.1	21.5	21.7	21.7	23.1	24.1	24.1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 8000	9.6	12.1	21.5	21.7	21.7	23.1	24.1	24.1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 6000	9.6	12.1	21.5	21.7	21.7	23.1	24.1	24.1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 4000	9.6	12.1	21.5	21.7	21.7	23.1	24.1	24.1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 2000	9.6	12.1	21.5	21.7	21.7	23.1	24.1	24.1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
IV 1000	11.0	13.0	26.0	25.9	25.9	27.0	29.0	29.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 800	13.1	13.7	26.9	28.0	28.0	29.9	31.0	31.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 600	13.1	13.7	26.9	28.0	28.0	29.9	31.0	31.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 5000	13.1	13.7	26.9	28.0	28.0	29.9	31.0	31.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 4000	13.1	13.7	26.9	28.0	28.0	29.9	31.0	31.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 3000	16.0	16.2	32.0	32.0	32.0	33.0	35.0	35.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 2500	16.0	16.2	32.0	32.0	32.0	33.0	35.0	35.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 2000	16.0	16.2	32.0	32.0	32.0	33.0	35.0	35.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 1500	16.0	16.2	32.0	32.0	32.0	33.0	35.0	35.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 1000	16.0	16.2	32.0	32.0	32.0	33.0	35.0	35.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 800	23.0	27.0	43.0	43.0	43.0	47.0	47.0	47.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 600	23.0	27.0	43.0	43.0	43.0	47.0	47.0	47.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 500	23.0	27.0	43.0	43.0	43.0	47.0	47.0	47.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 400	23.0	27.0	43.0	43.0	43.0	47.0	47.0	47.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 300	26.2	32.2	55.0	55.0	55.0	61.0	61.0	61.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 200	26.2	32.2	55.0	55.0	55.0	61.0	61.0	61.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 100	26.2	32.2	55.0	55.0	55.0	61.0	61.0	61.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 0	26.2	32.2	55.0	55.0	55.0	61.0	61.0	61.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

TOTAL NUMBER OF OBSERVATIONS 428

## CEILING VERSUS VISIBILITY

472

# ALL

TOTAL NUMBER OF OBSERVATIONS 305

## CEILING VERSUS V'ISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

\* 4Y

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

[illegible]

TOTAL NUMBER OF OBSERVATIONS

316

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNEKY RANGE 63-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

All

SEA STATE MILES

	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
1000	33,4	36,6	37,2	37,2	37,2	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4	37,4
900	36,7	40,2	40,8	40,8	40,8	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0
800	36,7	40,2	40,8	40,8	40,8	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0	41,0
700	37,2	40,7	41,3	41,3	41,3	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5
600	37,2	40,7	41,3	41,3	41,3	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5	41,5
500	39,0	42,5	43,4	43,4	43,4	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6	43,6
400	39,3	42,8	43,8	43,8	43,8	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0	44,0
300	39,8	43,3	44,3	44,3	44,3	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5	44,5
200	40,3	43,8	44,8	44,8	44,8	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0	45,0
100	43,1	47,2	48,2	48,2	48,2	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4
000	43,3	47,4	48,4	48,4	48,4	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6	48,6
900	47,0	53,4	54,6	54,6	54,6	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8	54,8
800	48,7	55,1	56,2	56,2	56,2	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4	56,4
700	50,8	57,4	59,3	59,3	59,3	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5	59,5
600	63,0	69,8	72,5	72,5	72,5	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8	72,8
500	68,7	75,0	80,2	80,2	80,2	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5	80,5
400	69,2	76,1	80,7	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0	81,0
300	71,6	79,3	85,9	86,6	86,6	87,9	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4	88,4
200	72,1	79,8	86,7	87,4	87,4	88,9	89,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0	89,0
100	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
000	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
900	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
800	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
700	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
600	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
500	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
400	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
300	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
200	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
100	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1
000	73,1	81,1	90,5	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1	91,1

TOTAL NUMBER OF OBSERVATIONS 610

## CEILING VERSUS VISIBILITY

44

All

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 708

## CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY SUNNERY RANGE 68-70

4.3

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

**Abstract**

[illegible]TOTAL NUMBER OF OBSERVATIONS 643

## CEILING VERSUS VISIBILITY

45 46 47

[illegible]

\*TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 573

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

ECT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

		VISIBILITY STATUTE MILES															
		≥ 0	≥ 0.1	≥ 0.2	≥ 0.3	≥ 0.4	≥ 0.5	≥ 0.6	≥ 0.7	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.5	≥ 2.0	≥ 3.0	≥ 4.0	≥ 5.0
NO. OF HOURS	≥ 2200	11.6	12.3	15.7	17.2	17.2	18.4	19.9	19.9	21.2	21.5	31.7	22.0	22.0	22.3	22.3	22.3
	≥ 2000	14.7	15.9	20.5	22.1	22.1	23.4	25.2	25.2	26.6	26.9	27.0	27.4	27.4	27.7	27.7	27.7
N	8000	14.7	15.9	20.5	22.1	22.1	23.4	25.2	25.2	26.6	26.9	27.0	27.4	27.4	27.7	27.7	27.7
	6000	14.7	15.9	20.5	22.1	22.1	23.4	25.2	25.2	26.6	26.9	27.0	27.4	27.4	27.7	27.7	27.7
N	4000	14.7	15.9	20.5	22.1	22.1	23.4	25.2	25.2	26.6	26.9	27.0	27.4	27.4	27.7	27.7	27.7
	2000	14.7	15.9	20.5	22.1	22.1	23.4	25.2	25.2	26.6	26.9	27.0	27.4	27.4	27.7	27.7	27.7
N	1000	16.2	17.5	22.6	24.8	24.8	25.7	27.4	27.4	28.8	29.1	29.2	29.7	29.7	30.0	30.0	30.0
	800	16.6	18.0	23.0	24.8	24.8	26.3	28.0	28.0	29.4	29.7	29.8	30.3	30.3	30.6	30.6	30.6
N	600	17.5	18.8	24.2	26.0	26.0	27.6	29.4	29.4	30.7	31.0	31.2	31.6	31.6	31.9	31.9	31.9
	400	18.1	20.0	26.0	27.7	27.7	29.4	31.2	31.2	32.5	32.6	32.9	33.4	33.4	33.7	33.7	33.7
N	200	18.7	20.6	27.0	28.9	28.9	31.2	33.1	33.1	34.4	34.7	34.9	35.3	35.3	35.8	35.8	35.8
	100	19.1	21.2	27.6	29.5	29.5	31.8	33.7	34.1	35.5	35.8	35.9	36.4	36.4	36.8	36.8	36.8
N	50	19.1	21.2	27.6	29.7	29.7	31.9	34.1	34.6	35.9	36.2	36.4	36.8	36.8	37.2	37.2	37.2
	25	21.2	23.4	30.0	32.2	32.2	34.4	36.6	37.1	38.7	39.0	39.2	39.6	39.6	40.1	40.1	40.1
N	10	21.6	23.6	30.3	32.5	32.5	34.7	37.4	37.8	39.5	39.8	39.9	40.4	40.4	40.8	40.8	40.8
	5	22.7	24.9	31.8	34.3	34.3	37.1	39.9	39.9	41.8	42.3	42.4	42.9	42.9	43.3	43.3	43.3
N	2500	26.3	28.6	36.4	39.3	39.3	42.3	45.1	45.5	47.7	48.3	48.7	49.3	49.3	49.7	49.7	49.7
	2000	29.7	32.6	40.9	44.1	44.1	47.9	51.2	51.6	53.8	54.3	54.8	55.5	55.5	56.1	56.1	56.1
N	1800	29.8	32.8	41.2	44.4	44.4	48.2	51.6	52.1	54.8	55.3	55.8	56.5	56.5	57.0	57.0	57.0
	1500	32.2	35.2	44.7	49.3	49.3	54.7	58.2	59.1	62.0	62.6	63.1	63.8	63.8	64.4	64.4	64.4
N	1200	32.5	35.9	45.5	50.4	50.4	56.1	59.9	60.4	64.2	64.8	65.3	66.0	66.0	66.6	66.6	66.6
	1000	32.8	36.2	46.4	51.6	51.6	57.9	61.7	62.2	66.5	67.1	67.6	68.3	68.3	68.9	68.9	68.9
N	800	32.8	36.2	46.7	51.9	51.9	58.2	62.0	62.5	66.8	67.4	67.9	68.6	68.6	69.2	69.2	69.2
	600	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
N	400	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
	200	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
N	100	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
	50	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
N	25	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
	10	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
N	5	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
	2	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
N	1	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3
	0	32.8	36.2	46.8	52.0	52.0	58.3	62.1	62.6	66.9	67.5	68.0	68.7	68.7	69.3	69.3	69.3

TOTAL NUMBER OF OBSERVATIONS 674

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199

SIEGENBURG GERMANY GUNNERY RANGE 08-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

		VISIBILITY - STATUTE MILES															
		≥ 0	≥ 0.2	≥ 0.4	≥ 0.6	≥ 0.8	≥ 1.0	≥ 1.2	≥ 1.4	≥ 1.6	≥ 1.8	≥ 2.0	≥ 2.5	≥ 3.0	≥ 4.0	≥ 5.0	≥ 6.0
CEILING - FEET	≥ 1000	11.9	12.6	13.9	14.6	14.6	15.6	15.8	15.6	16.8	17.8	17.8	17.8	17.8	17.8	18.1	18.1
	800	12.4	13.1	14.4	15.1	15.1	16.1	16.3	16.3	17.3	18.3	18.3	18.3	18.3	18.3	18.6	18.6
CEILING - FEET	600	12.4	13.1	14.4	15.1	15.1	16.1	16.3	16.3	17.3	18.3	18.3	18.3	18.3	18.3	18.6	18.6
	400	12.4	13.1	14.4	15.1	15.1	16.1	16.3	16.3	17.3	18.3	18.3	18.3	18.3	18.3	18.6	18.6
CEILING - FEET	200	12.4	13.1	14.4	15.1	15.1	16.1	16.3	16.3	17.3	18.3	18.3	18.3	18.3	18.3	18.6	18.6
	100	12.9	13.6	14.9	15.6	15.6	16.6	16.8	16.8	17.8	18.8	18.8	18.8	18.8	18.8	19.1	19.1
CEILING - FEET	80	14.1	14.9	16.1	17.1	17.1	18.1	18.3	18.3	19.3	20.3	20.3	20.3	20.3	20.3	20.5	20.5
	60	15.1	16.1	17.3	18.3	18.3	19.3	19.6	19.6	20.5	21.5	21.5	21.5	21.5	21.5	21.8	21.8
CEILING - FEET	40	16.6	17.6	18.8	19.8	19.8	20.8	21.0	21.0	22.0	23.0	23.0	23.0	23.0	23.0	23.3	23.3
	20	16.6	17.6	18.8	19.8	19.8	20.8	21.0	21.0	22.0	23.0	23.0	23.0	23.0	23.0	23.3	23.3
CEILING - FEET	10	17.3	18.3	19.6	20.8	20.8	21.8	21.8	21.8	22.8	23.8	23.8	23.8	23.8	23.8	24.0	24.0
	5	22.8	23.8	26.3	27.5	27.5	28.5	29.0	29.0	30.0	30.9	30.9	30.9	30.9	30.9	31.2	31.2
CEILING - FEET	4	23.3	24.3	27.0	28.0	28.0	29.0	29.9	29.9	30.4	31.4	31.4	31.4	31.4	31.4	31.7	31.7
	3	25.0	26.7	30.4	31.4	31.4	32.4	32.9	32.9	33.9	34.9	34.9	34.9	34.9	34.9	35.1	35.1
CEILING - FEET	2	26.2	28.0	31.7	32.7	32.7	33.7	34.2	34.2	35.1	36.1	36.1	36.1	36.1	36.1	36.4	36.4
	1	28.0	29.7	33.4	34.4	34.4	35.4	35.9	35.9	36.9	37.9	37.9	37.9	37.9	37.9	38.1	38.1
CEILING - FEET	2000	29.7	32.7	37.9	38.4	38.4	40.1	40.6	40.6	41.6	42.6	42.6	42.6	42.6	42.6	42.8	42.8
	1000	40.3	43.8	52.7	53.7	53.7	55.9	56.7	56.7	57.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9
CEILING - FEET	800	41.8	45.8	54.7	55.7	55.7	57.9	58.7	58.7	59.7	60.6	60.6	60.6	60.6	60.6	60.9	60.9
	500	45.3	49.8	60.4	61.4	61.4	64.6	65.3	65.3	66.8	67.8	67.8	67.8	67.8	67.8	68.1	68.1
CEILING - FEET	200	46.3	51.0	62.8	63.8	63.8	66.3	67.3	67.3	68.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0
	100	46.8	51.2	63.2	64.8	64.8	67.8	68.8	68.8	70.3	71.3	71.3	71.3	71.3	71.3	71.7	71.7
CEILING - FEET	80	47.0	51.5	63.4	64.4	64.4	67.4	68.4	68.4	69.9	70.9	70.9	70.9	70.9	70.9	71.2	71.2
	60	47.3	51.7	63.1	64.1	64.1	67.1	68.1	68.1	69.6	70.6	70.6	70.6	70.6	70.6	71.4	71.4
CEILING - FEET	40	47.3	51.7	63.1	64.1	64.1	67.1	68.1	68.1	69.6	70.6	70.6	70.6	70.6	70.6	71.4	71.4
	20	47.8	52.2	64.6	65.6	65.6	68.6	69.6	69.6	71.1	72.1	72.1	72.1	72.1	72.1	72.4	72.4
CEILING - FEET	1000	48.2	52.7	65.1	66.1	66.1	69.1	70.1	70.1	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9
	800	48.3	52.7	65.1	66.1	66.1	69.1	70.1	70.1	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9
CEILING - FEET	600	48.3	52.7	65.1	66.1	66.1	69.1	70.1	70.1	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9
	400	48.3	52.7	65.1	66.1	66.1	69.1	70.1	70.1	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9
CEILING - FEET	300	48.3	52.7	65.1	66.1	66.1	69.1	70.1	70.1	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9
	200	48.3	52.7	65.1	66.1	66.1	69.1	70.1	70.1	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9
CEILING - FEET	100	48.3	52.7	65.1	66.1	66.1	69.1	70.1	70.1	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9
	50	48.3	52.7	65.1	66.1	66.1	69.1	70.1	70.1	71.6	72.6	72.6	72.6	72.6	72.6	72.9	72.9

TOTAL NUMBER OF OBSERVATIONS

404

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

		VISIBILITY (STATUTE MILES)															
		≥ 0	26	≥ 5	24	21	20	18	16	14	12	10	8	6	4	2	0
CEILING		6.0	8.2	15.1	17.3	17.3	18.0	18.2	18.2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥ 2000		6.7	8.9	15.8	18.0	18.0	18.7	18.9	18.9	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 1800		6.7	8.9	15.8	18.0	18.0	18.7	18.9	18.9	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 1600		6.7	8.9	15.8	18.0	18.0	18.7	18.9	18.9	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 1400		6.7	8.9	15.8	18.0	18.0	18.7	18.9	18.9	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 1200		6.7	8.9	15.8	18.0	18.0	18.7	18.9	18.9	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 1000		6.7	8.9	15.8	18.0	18.0	18.7	18.9	18.9	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 800		7.7	9.8	16.8	18.9	18.9	19.9	20.1	20.1	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 600		10.1	12.3	19.7	21.8	21.8	22.8	23.0	23.0	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 400		10.1	12.3	19.7	21.8	21.8	22.8	23.0	23.0	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 200		11.8	14.1	21.3	23.5	23.5	24.5	24.7	24.7	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 100		14.4	16.8	24.7	26.9	26.9	27.8	28.1	28.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 50		17.3	19.7	27.8	30.0	30.0	30.9	31.2	31.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 25		17.3	20.1	28.3	30.5	30.5	31.4	31.7	31.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 10		18.3	20.9	30.0	32.1	32.1	33.1	33.3	33.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 5		18.7	21.1	30.2	32.4	32.4	33.3	33.5	33.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 2		20.9	23.3	32.6	34.8	34.8	35.9	37.2	37.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 1		21.0	24.7	33.8	36.0	36.0	37.4	38.6	38.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 0		23.7	28.1	37.7	40.0	40.0	42.9	44.7	44.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 200		24.7	29.3	41.0	43.9	43.9	46.0	47.7	47.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 1800		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 1600		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 1400		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 1200		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 1000		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 800		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 600		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 400		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 200		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 100		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 50		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 25		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 1		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 0		25.9	30.9	43.6	46.3	46.3	49.2	50.8	50.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9

TOTAL NUMBER OF OBSERVATIONS 417

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 09-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024
NO OBS																
≥ 2000				6.1	6.1	6.1	7.9	9.6	11.4	11.4	12.2	12.2	12.2	12.2	13.2	13.2
1800				6.1	6.1	6.1	7.9	9.6	12.2	12.2	12.2	12.2	12.2	12.2	14.0	14.0
1600				6.1	6.1	6.1	7.9	9.6	12.2	12.2	12.2	12.2	12.2	12.2	14.0	14.0
1400				6.1	6.1	6.1	7.9	9.6	12.2	12.2	12.2	12.2	12.2	12.2	14.0	14.0
1200				6.1	6.1	6.1	7.9	9.6	12.2	12.2	12.2	12.2	12.2	12.2	14.0	14.0
1000				7.0	7.0	7.0	8.8	10.5	12.2	12.2	12.2	12.2	12.2	12.2	15.8	15.8
900				7.0	7.0	7.0	8.8	10.5	12.2	12.2	12.2	12.2	12.2	12.2	15.8	15.8
800				7.0	7.0	7.0	8.8	10.5	12.2	12.2	12.2	12.2	12.2	12.2	17.5	17.5
700				7.0	7.0	7.0	8.8	10.5	12.2	12.2	12.2	12.2	12.2	12.2	17.5	17.5
600				7.0	7.0	7.0	8.8	10.5	12.2	12.2	12.2	12.2	12.2	12.2	19.2	19.2
500				7.0	7.0	7.0	8.8	10.5	12.2	12.2	12.2	12.2	12.2	12.2	20.2	20.2
400				7.9	7.9	7.9	9.6	11.4	14.0	14.0	14.0	14.0	14.0	14.0	20.2	20.2
300				8.8	8.8	8.8	10.5	12.2	15.8	15.8	15.8	15.8	15.8	15.8	21.9	21.9
200				8.8	8.8	8.8	10.5	12.2	15.8	15.8	15.8	15.8	15.8	15.8	21.9	21.9
100				9.6	9.6	9.6	11.4	14.0	16.7	16.7	16.7	16.7	16.7	16.7	26.9	26.9
500	2.6	3.5	13.8	13.8	13.8	13.8	19.2	21.9	24.6	24.6	24.6	24.6	24.6	24.6	36.6	36.6
400	2.6	3.5	13.8	13.8	13.8	13.8	19.2	21.9	24.6	24.6	24.6	24.6	24.6	24.6	36.6	36.6
300	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
200	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
100	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
500	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
400	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
300	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
200	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
100	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
500	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
400	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
300	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
200	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0
100	2.6	3.5	17.5	17.5	17.5	17.5	21.1	25.7	26.3	26.3	26.3	26.3	26.3	26.3	43.0	43.0

TOTAL NUMBER OF OBSERVATIONS 115

## CEILING VERSUS VISIBILITY

AA

0900-1100

THE SOUTHERN CROSS

[illegible]

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 112

## CEILING VERSUS VISIBILITY

~~1200-1400~~

\* S B, "y S" A", "t u, f S

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 110

## CEILING VERSUS VISIBILITY

1.1.1.1

~~1500-1700~~

TOTAL NUMBER OF OBSERVATIONS 41

## CEILING VERSUS VISIBILITY

143

~~0600-0800~~

TOTAL NUMBER OF OBSERVATIONS 114

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100

		VISIBILITY STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
CEILING	10000	14.4	14.4	18.0	18.0	18.0	18.9	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
	8000	14.4	14.4	18.0	18.0	18.0	19.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
M	6000	14.4	14.4	18.0	18.0	18.0	19.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	4000	14.4	14.4	18.0	18.0	17.0	19.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
M	3000	14.4	14.4	18.0	18.0	18.0	19.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	2000	14.4	14.4	18.0	18.0	18.0	19.8	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
M	1000	16.2	16.2	23.4	23.4	23.4	24.3	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
	800	16.2	16.2	23.4	23.4	23.4	24.3	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
M	600	16.2	16.2	23.4	23.4	23.4	24.3	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
	500	21.6	22.5	30.6	30.6	30.6	31.5	34.2	34.2	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
M	4500	21.6	22.5	30.6	30.6	30.6	31.5	34.2	34.2	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
	4000	21.6	22.5	30.6	30.6	30.6	31.5	34.2	34.2	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
M	3500	23.4	24.3	32.4	32.4	32.4	33.3	36.0	36.0	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
	3000	23.4	24.3	32.4	32.4	32.4	33.3	36.0	36.0	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
M	2500	26.1	27.0	35.1	35.1	35.1	36.0	38.7	38.7	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
	2000	26.1	27.0	35.1	35.1	35.1	36.0	38.7	38.7	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
M	1800	30.6	31.5	40.5	40.5	40.5	41.4	44.1	44.1	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
	1600	30.6	31.5	40.5	40.5	40.5	41.4	44.1	44.1	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
M	1400	34.2	35.1	44.1	44.1	44.1	45.0	47.7	47.7	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
	1200	34.2	35.1	44.1	44.1	44.1	45.0	47.7	47.7	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
M	1000	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	900	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
M	800	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	700	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
M	600	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	500	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
M	400	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	300	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
M	200	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	100	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
M	50	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	0	36.0	36.9	45.9	45.9	45.9	46.8	49.5	49.5	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3

TOTAL NUMBER OF OBSERVATIONS 111

## CEILING VERSUS VISIBILITY

**EF3**

1200-1400

TOTAL NUMBER OF OBSERVATIONS 111

## CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

END

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

~~1500-1700~~

• 2000 年 12 月 25 日

[illegible]

TOTAL NUMBER OF OBSERVATIONS

33

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-0800

		VISIBILITY STATUTE MILES															
		≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
CEILING	≥ 1000	4.2	5.8	13.3	14.2	14.2	15.0	15.0	15.0	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
	> 1000	4.2	5.8	14.2	15.8	15.8	16.7	16.7	16.7	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
≥ 800	≥ 800	4.2	5.8	16.2	15.8	15.8	16.7	16.7	16.7	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
	> 800	4.2	5.8	14.2	15.8	15.8	16.7	16.7	16.7	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
≥ 600	≥ 600	4.2	5.8	16.2	15.8	15.8	16.7	16.7	16.7	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
	> 600	4.2	5.8	14.2	15.8	15.8	16.7	16.7	16.7	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
≥ 400	≥ 400	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 400	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 200	≥ 200	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 200	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 100	≥ 100	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 100	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 50	≥ 50	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 50	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 30	≥ 30	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 30	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 20	≥ 20	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 20	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 15	≥ 15	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 15	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 10	≥ 10	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 10	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 5	≥ 5	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 5	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 3	≥ 3	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 3	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 2	≥ 2	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 2	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 1	≥ 1	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 1	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0	≥ 0	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.5	≥ 0.5	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.5	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.25	≥ 0.25	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.25	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.1	≥ 0.1	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.1	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.05	≥ 0.05	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.05	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.025	≥ 0.025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.01	≥ 0.01	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.01	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.005	≥ 0.005	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.005	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.0025	≥ 0.0025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.0025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.001	≥ 0.001	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.001	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.0005	≥ 0.0005	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.0005	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.00025	≥ 0.00025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.00025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.0001	≥ 0.0001	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.0001	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.00005	≥ 0.00005	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.00005	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.000025	≥ 0.000025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.000025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.00001	≥ 0.00001	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.00001	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.000005	≥ 0.000005	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.000005	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.0000025	≥ 0.0000025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.0000025	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 0.000001	≥ 0.000001	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
	> 0.000001	5.0	6.7	15.0	16.7	16.7	17.5	17.5	17.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7

## CEILING VERSUS VISIBILITY

● ● ●

0000-1102

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 119

## CEILING VERSUS VISIBILITY

**242**

~~122-140~~

[illegible]TOTAL NUMBER OF OBSERVATIONS 116

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY RUNNER RANGE 69070

VAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-1700

CEILING (FEET)	VISIBILITY (MILES)															
	≥ 0	≥ 0.2	≥ 0.3	≥ 0.4	≥ 0.5	≥ 0.6	≥ 0.7	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.2	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0	≥ 4.0
NO CEILING	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 4000	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 3800	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 3600	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 3400	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 3200	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 3000	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 2800	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 2600	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 2400	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 2200	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 2000	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 1800	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 1600	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 1400	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 1200	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 1000	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 900	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 800	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 700	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 600	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 500	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 400	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 300	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 200	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 100	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 0	20.5	20.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9

TOTAL NUMBER OF OBSERVATIONS 73

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	> 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
10000	16.1	16.8	16.3	16.3	16.3	17.0	17.0	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
9000	16.1	16.8	16.3	16.3	16.3	17.0	17.0	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
8000	16.1	16.8	16.3	16.3	16.3	17.0	17.0	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
7000	16.1	16.8	16.3	16.3	16.3	17.0	17.0	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
6000	16.1	17.0	20.0	20.0	20.0	20.7	21.5	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
5000	16.1	17.0	20.0	20.0	20.0	20.7	22.2	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
4000	16.1	17.0	20.0	20.0	20.0	20.7	22.2	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
3000	18.9	19.3	22.2	22.2	22.2	23.2	24.4	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
2000	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
1000	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
500	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
200	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
100	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
50	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
20	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
10	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
5	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
2	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
1	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
0	20.7	21.5	24.4	24.4	24.4	25.9	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9

TOTAL NUMBER OF OBSERVATIONS 135

## CEILING VERSUS VISIBILITY

APR

0900-1100

TOTAL NUMBER OF OBSERVATIONS 138

DATA PROCESSING DIVISION  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68770

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

55.75 STATUTE MILES																
	20	20	25	24	23	21	22	20	24	2	24	255	27	250	24	20
N 2700	6,5	6,5	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4
N 8000	6,5	6,5	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4
N 4000	6,5	6,5	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4
N 2000	6,5	6,5	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4	9,4
N 1000	10,9	10,9	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8
N 900	10,9	10,9	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8
N 800	10,9	10,9	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8
N 700	10,9	10,9	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8	13,8
N 600	13,8	13,8	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7
N 500	13,8	13,8	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7
N 400	13,8	13,8	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7
N 300	13,8	13,8	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7
N 200	13,8	13,8	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7
N 100	13,8	13,8	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7
N 50	13,8	13,8	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7
N 0	13,8	13,8	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7	16,7
N 2000	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 1800	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 1600	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 1400	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 1200	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 1000	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 900	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 800	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 700	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 600	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 500	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 400	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 300	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 200	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 100	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 50	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9
N 0	62,9	62,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9	73,9

T 1 NUMBER OF OBSERVATIONS 138

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 0870

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001	≥ .0005	≥ .0001	≥ .00005
NO CEILING	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 20000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 18000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 16000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 14000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 12000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 10000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 8000	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
≥ 6000	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
≥ 4000	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
≥ 2000	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 1000	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 500	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 200	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
≥ 100	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 50	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 800	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 600	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 400	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 200	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 100	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 50	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9

TOTAL NUMBER OF OBSERVATIONS 89

## CEILING VERSUS VISIBILITY

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152252352452552652752852953053153253353453553653753853954054154254354454554654754854955055155255355455555655755855956056156256356456556656756856957057157257357457557657757857958058158258358458558658758858959059159259359459559659759859960060160260360460560660760860961061161261361461561661761861962062162262362462562662762862963063163263363463563663763863964064164264364464564664764864965065165265365465565665765865966066166266366466566666766866967067167267367467567667767867968068168268368468568668768868969069169269369469569669769869970070170270370470570670770870971071171271371471571671771871972072172272372472572672772872973073173273373473573673773873974074174274374474574674774874975075175275375475575675775875976076176276376476576676776876977077177277377477577677777877978078178278378478578678778878979079179279379479579679779879980080180280380480580680780880981081181281381481581681781881982082182282382482582682782882983083183283383483583683783883984084184284384484584684784884985085185285385485585685785885986086186286386486586686786886987087187287387487587687787887988088188288388488588688788888989089189289389489589689789889990090190290390490590690790890991091191291391491591691791891992092192292392492592692792892993093193293393493593693793893994094194294394494594694794894995095195295395495595695795895996096196296396496596696796896997097197297397497597697797897998098198298398498598698798898999099199299399499599699799899910001001100210031004100510061007100810091010101110121013101410151016101710181019102010211022102310241025102610271028102910301031103210331034103510361037103810391040104110421043104410451046104710481049105010511052105310541055105610571058105910601061106210631064106510661067106810691070107110721073107410751076107710781079108010811082108310841085108610871088108910901091109210931094109510961097109810991100110111021103110411051106110711081109111011111112111311141115111611171118111911201121112211231124112511261127112811291130113111321133113411351136113711381139114011411142114311441145114611471148114911501151115211531154115511561157115811591160116111621163116411651166116711681169117011711172117311741175117611771178117911801181118211831184118511861187118811891190119111921193119411951196119711981199120012011202120312041205120612071208120912101211121212131214121512161217121812191220122112221223122412251226122712281229123012311232123312341235123612371238123912401241124212431244124512461247124812491250125112521253125412551256125712581259126012611262126312641265126612671268126912701271127212731274127512761277127812791280128112821283128412851286128712881289129012911292129312941295129612971298129913001

100-2000

		VSB-75° 5' 15" W LES															
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
3	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
4	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
5	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
7	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
8	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
9	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
10	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
11	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
12	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
13	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
14	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
15	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
16	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
17	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
18	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
19	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
20	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
21	40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
22	40	40.0	40.0	40.0	40.0	40											

TOTAL NUMBER OF OBSERVATIONS. 100

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

FOOT SAMPLES																
	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
23	23,9	26,7	30,4	31,1	21,1	34,1	35,1	34,1	35,6	35,6	33,6	35,6	35,6	35,6	35,6	35,6
24	29,6	30,4	34,1	34,8	25,8	37,8	37,8	37,8	39,3	39,3	39,3	39,3	39,3	39,3	39,3	39,3
25	29,6	30,4	34,1	34,8	25,8	37,8	37,8	37,8	39,3	39,3	39,3	39,3	39,3	39,3	39,3	39,3
26	29,6	30,4	34,1	34,8	25,8	37,8	37,8	37,8	39,3	39,3	39,3	39,3	39,3	39,3	39,3	39,3
27	29,6	30,4	34,1	34,8	25,8	37,8	37,8	37,8	39,3	39,3	39,3	39,3	39,3	39,3	39,3	39,3
28	31,1	31,9	37,0	37,8	37,8	40,7	40,7	40,7	42,2	42,2	42,2	42,2	42,2	42,2	42,2	42,2
29	31,1	31,9	37,0	37,8	37,8	40,7	40,7	40,7	42,2	42,2	42,2	42,2	42,2	42,2	42,2	42,2
30	32,6	33,3	38,5	39,3	39,3	42,2	42,2	42,2	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7
31	32,6	33,3	38,5	39,3	39,3	42,2	42,2	42,2	43,7	43,7	43,7	43,7	43,7	43,7	43,7	43,7
32	33,3	34,1	40,0	40,7	40,7	43,7	43,7	43,7	45,2	45,2	45,2	45,2	45,2	45,2	45,2	45,2
33	34,8	36,3	43,0	43,7	43,7	46,7	46,7	46,7	48,1	48,1	48,1	48,1	48,1	48,1	48,1	48,1
34	34,8	36,3	43,0	43,7	43,7	46,7	46,7	46,7	48,1	48,1	48,1	48,1	48,1	48,1	48,1	48,1
35	34,8	36,3	43,0	43,7	43,7	46,7	46,7	46,7	48,1	48,1	48,1	48,1	48,1	48,1	48,1	48,1
36	37,0	38,5	45,2	45,9	45,9	48,9	48,9	48,9	50,4	50,4	50,4	50,4	50,4	50,4	50,4	50,4
37	50,9	52,3	58,0	58,7	58,7	63,7	63,7	63,7	65,2	65,2	65,2	65,2	65,2	65,2	65,2	65,2
38	56,3	59,3	68,9	69,6	69,6	73,6	73,6	73,6	77,0	77,0	77,0	77,0	77,0	77,0	77,0	77,0
39	57,0	60,7	72,5	73,3	73,3	77,0	77,0	77,0	80,7	80,7	80,7	80,7	80,7	80,7	80,7	80,7
40	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
41	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
42	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
43	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
44	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
45	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
46	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
47	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
48	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
49	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7
50	58,5	61,5	74,8	75,6	75,6	80,7	80,7	80,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7

TOTAL NUMBER OF OBSERVATIONS 135

**RESEARCH**

1000

RAY

000-1:00

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 134

## CEILING VERSUS VISIBILITY

444

1200-1400

TOTAL NUMBER OF OBSERVATIONS

153

## CEILING VERSUS VISIBILITY

44

1500=1700

[illegible]

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 103

## CEILING VERSUS VISIBILITY

24 Y

100-2002

[illegible]

TOTAL NUMBER OF OBSERVATIONS

## CEILING VERSUS VISIBILITY

0300-0500

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC <sup>FORM</sup> 0-14-5 (OL 1) PREVIOUS EDITIONS ARE OBSOLETE

## CEILING VERSUS VISIBILITY

0020-930

[illegible]

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

2929-110-

[illegible]

USA F F A C 1280 0145 04 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

JUN 68

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| VISIBILITY STATISTICS |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                       | ≥ 0  | ≥ 6  | ≥ 1  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 1  | ≥ 4  | ≥ 2  | ≥ 4  | ≥ 8  | ≥ 2  | ≥ 5  | ≥ 4  | ≥ 0  | ≥ 0  |
| 1                     | 28,8 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 | 30,9 |
| 2                     | 22,1 | 24,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 |
| 3                     | 32,1 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 |
| 4                     | 32,1 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 | 34,5 |
| 5                     | 33,9 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 |
| 6                     | 33,9 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 | 35,8 |
| 7                     | 35,2 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 |
| 8                     | 35,2 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 |
| 9                     | 35,2 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 |
| 10                    | 35,2 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 | 37,6 |
| 11                    | 39,4 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 |
| 12                    | 39,4 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 | 43,0 |
| 13                    | 43,0 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 |
| 14                    | 43,0 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 |
| 15                    | 43,0 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 |
| 16                    | 43,0 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 |
| 17                    | 43,0 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 |
| 18                    | 43,0 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 |
| 19                    | 43,0 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 |
| 20                    | 43,0 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 | 51,5 |
| 21                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 22                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 23                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 24                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 25                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 26                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 27                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 28                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 29                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 30                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 31                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 32                    | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 | 75,2 |
| 33                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 34                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 35                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 36                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 37                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 38                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 39                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 40                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 41                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 42                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 43                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 44                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 45                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 46                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 47                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 48                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 49                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 50                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 51                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 52                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |
| 53                    | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 | 96,4 |      |      |      |

TOTAL NUMBER OF OBSERVATIONS

165

## CEILING VERSUS VISIBILITY

444

1500-1700

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 110

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0800-0800

| CEILING<br>Feet | VISIBILITY<br>Miles |      |      |      |      |       |      |       |      |      |       |      |       |        |       |        |
|-----------------|---------------------|------|------|------|------|-------|------|-------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥ 10                | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ .005 |
| ≥ 10000         | 30.3                | 32.4 | 39.4 | 39.9 | 39.9 | 41.5  | 41.5 | 41.5  | 43.6 | 43.6 | 43.6  | 43.6 | 43.6  | 43.6   | 43.6  | 43.6   |
| ≥ 8000          | 31.4                | 33.5 | 40.4 | 41.0 | 41.0 | 43.1  | 43.1 | 43.1  | 45.2 | 45.2 | 45.2  | 45.2 | 45.2  | 45.2   | 45.2  | 45.2   |
| ≥ 6000          | 32.4                | 34.6 | 41.5 | 42.0 | 42.0 | 44.1  | 44.1 | 44.1  | 46.3 | 46.3 | 46.3  | 46.3 | 46.3  | 46.3   | 46.3  | 46.3   |
| ≥ 4000          | 32.4                | 34.6 | 42.0 | 42.6 | 42.6 | 44.7  | 44.7 | 44.7  | 46.8 | 46.8 | 46.8  | 46.8 | 46.8  | 46.8   | 46.8  | 46.8   |
| ≥ 2000          | 33.0                | 35.1 | 42.6 | 43.1 | 43.1 | 45.2  | 45.2 | 45.2  | 47.3 | 47.3 | 47.3  | 47.3 | 47.3  | 47.3   | 47.3  | 47.3   |
| ≥ 1000          | 34.0                | 36.7 | 45.2 | 45.7 | 45.7 | 47.9  | 47.9 | 47.9  | 50.0 | 50.0 | 50.0  | 50.0 | 50.0  | 50.0   | 50.0  | 50.0   |
| ≥ 900           | 34.6                | 36.7 | 45.2 | 45.7 | 45.7 | 47.9  | 47.9 | 47.9  | 50.0 | 50.0 | 50.0  | 50.0 | 50.0  | 50.0   | 50.0  | 50.0   |
| ≥ 800           | 35.1                | 37.8 | 46.3 | 46.8 | 46.8 | 48.9  | 48.9 | 48.9  | 51.1 | 51.1 | 51.1  | 51.1 | 51.1  | 51.1   | 51.1  | 51.1   |
| ≥ 700           | 35.1                | 37.8 | 46.3 | 46.8 | 46.8 | 48.9  | 48.9 | 48.9  | 51.1 | 51.1 | 51.1  | 51.1 | 51.1  | 51.1   | 51.1  | 51.1   |
| ≥ 600           | 36.2                | 38.8 | 47.3 | 47.9 | 47.9 | 50.0  | 50.0 | 50.0  | 52.1 | 52.1 | 52.1  | 52.1 | 52.1  | 52.1   | 52.1  | 52.1   |
| ≥ 500           | 39.4                | 42.0 | 50.0 | 51.1 | 51.1 | 53.2  | 53.2 | 53.2  | 55.3 | 55.3 | 55.3  | 55.3 | 55.3  | 55.3   | 55.3  | 55.3   |
| ≥ 400           | 39.4                | 42.0 | 50.0 | 51.1 | 51.1 | 53.2  | 53.2 | 53.2  | 55.3 | 55.3 | 55.3  | 55.3 | 55.3  | 55.3   | 55.3  | 55.3   |
| ≥ 300           | 39.4                | 42.0 | 50.0 | 51.1 | 51.1 | 53.2  | 53.2 | 53.2  | 55.3 | 55.3 | 55.3  | 55.3 | 55.3  | 55.3   | 55.3  | 55.3   |
| ≥ 200           | 46.3                | 50.0 | 59.0 | 59.0 | 59.0 | 61.7  | 61.7 | 61.7  | 63.8 | 63.8 | 63.8  | 63.8 | 63.8  | 63.8   | 63.8  | 63.8   |
| ≥ 100           | 46.3                | 50.0 | 59.0 | 59.0 | 59.0 | 61.7  | 61.7 | 61.7  | 63.8 | 63.8 | 63.8  | 63.8 | 63.8  | 63.8   | 63.8  | 63.8   |
| ≥ 800           | 50.0                | 53.7 | 63.8 | 63.8 | 63.8 | 65.9  | 65.9 | 65.9  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0   | 67.0  | 67.0   |
| ≥ 700           | 50.0                | 53.7 | 63.8 | 63.8 | 63.8 | 65.9  | 65.9 | 65.9  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0   | 67.0  | 67.0   |
| ≥ 600           | 50.0                | 53.7 | 63.8 | 63.8 | 63.8 | 65.9  | 65.9 | 65.9  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0   | 67.0  | 67.0   |
| ≥ 500           | 50.0                | 53.7 | 63.8 | 63.8 | 63.8 | 65.9  | 65.9 | 65.9  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0   | 67.0  | 67.0   |
| ≥ 400           | 50.0                | 53.7 | 63.8 | 63.8 | 63.8 | 65.9  | 65.9 | 65.9  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0   | 67.0  | 67.0   |
| ≥ 300           | 50.0                | 53.7 | 63.8 | 63.8 | 63.8 | 65.9  | 65.9 | 65.9  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0   | 67.0  | 67.0   |
| ≥ 200           | 50.0                | 53.7 | 63.8 | 63.8 | 63.8 | 65.9  | 65.9 | 65.9  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0   | 67.0  | 67.0   |
| ≥ 100           | 50.0                | 53.7 | 63.8 | 63.8 | 63.8 | 65.9  | 65.9 | 65.9  | 67.0 | 67.0 | 67.0  | 67.0 | 67.0  | 67.0   | 67.0  | 67.0   |

TOTAL NUMBER OF OBSERVATIONS

188

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

JLL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| CEILING | VISIBILITY IN MILES |       |       |       |       |       |       |       |       |      |      |      |      |      |      |      |
|---------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
|         | ≥ 0                 | ≥ 0.2 | ≥ 0.3 | ≥ 0.4 | ≥ 0.5 | ≥ 0.6 | ≥ 0.7 | ≥ 0.8 | ≥ 0.9 | ≥ 1  | ≥ 2  | ≥ 3  | ≥ 4  | ≥ 5  | ≥ 6  | ≥ 7  |
| ≥ 10000 | 42.6                | 43.1  | 46.2  | 46.2  | 46.2  | 46.7  | 46.7  | 46.7  | 46.7  | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| ≥ 8000  | 43.1                | 43.6  | 46.7  | 46.7  | 46.7  | 47.2  | 47.2  | 47.2  | 47.2  | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| ≥ 6000  | 44.1                | 44.6  | 47.7  | 47.7  | 47.7  | 48.2  | 48.2  | 48.2  | 48.2  | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| ≥ 4000  | 44.1                | 44.6  | 47.7  | 47.7  | 47.7  | 48.2  | 48.2  | 48.2  | 48.2  | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| ≥ 2000  | 44.6                | 45.1  | 48.2  | 48.2  | 48.2  | 48.7  | 48.7  | 48.7  | 48.7  | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| ≥ 1000  | 45.1                | 45.6  | 48.7  | 48.7  | 48.7  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 800   | 46.2                | 46.7  | 49.7  | 49.7  | 49.7  | 50.3  | 50.3  | 50.3  | 50.3  | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| ≥ 600   | 49.2                | 49.7  | 52.8  | 52.8  | 52.8  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| ≥ 400   | 49.2                | 49.7  | 52.8  | 52.8  | 52.8  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| ≥ 200   | 50.3                | 50.8  | 53.8  | 54.4  | 54.4  | 54.9  | 54.9  | 54.9  | 54.9  | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| ≥ 100   | 54.4                | 54.9  | 57.9  | 58.5  | 58.5  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 80    | 54.4                | 54.9  | 57.9  | 58.5  | 58.5  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 60    | 56.5                | 57.4  | 60.5  | 61.0  | 61.0  | 61.5  | 61.5  | 61.5  | 61.5  | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| ≥ 40    | 56.5                | 57.4  | 60.5  | 61.0  | 61.0  | 61.5  | 61.5  | 61.5  | 61.5  | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| ≥ 20    | 57.4                | 57.9  | 61.0  | 61.5  | 61.5  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 10    | 64.1                | 64.6  | 67.7  | 71.8  | 71.8  | 71.8  | 71.8  | 71.8  | 71.8  | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 8     | 69.2                | 70.8  | 73.9  | 77.4  | 77.4  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 6     | 69.2                | 70.8  | 73.9  | 77.4  | 77.4  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 4     | 72.3                | 74.4  | 80.5  | 82.6  | 82.6  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 2     | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 1     | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 0.8   | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 0.6   | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 0.4   | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 0.3   | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 0.2   | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 0.1   | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 0     | 75.4                | 77.9  | 85.7  | 88.7  | 88.7  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |

TOTAL NUMBER OF OBSERVATIONS 195

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 08-70

J-L

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |       |       |       |        |        |        |         |         |         |
|-----------------|--------------------------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|---------|---------|---------|
|                 | ≥ 7                      | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 1  | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 | ≥ 1/256 | ≥ 1/512 |
| NO DATA         | 38,9                     | 38,9 | 40,0 | 40,0 | 40,0 | 40,0 | 40,0 | 40,0  | 40,0  | 40,0  | 40,0   | 40,0   | 40,0   | 40,0    | 40,0    | 40,0    |
| ≥ 2000          | 41,1                     | 41,1 | 42,1 | 42,1 | 42,1 | 42,1 | 42,1 | 42,1  | 42,1  | 42,1  | 42,1   | 42,1   | 42,1   | 42,1    | 42,1    | 42,1    |
| 1000            | 41,1                     | 41,1 | 42,1 | 42,1 | 42,1 | 42,1 | 42,1 | 42,1  | 42,1  | 42,1  | 42,1   | 42,1   | 42,1   | 42,1    | 42,1    | 42,1    |
| 6000            | 41,1                     | 41,1 | 42,1 | 42,1 | 42,1 | 42,1 | 42,1 | 42,1  | 42,1  | 42,1  | 42,1   | 42,1   | 42,1   | 42,1    | 42,1    | 42,1    |
| 4000            | 41,1                     | 41,1 | 42,1 | 42,1 | 42,1 | 42,1 | 42,1 | 42,1  | 42,1  | 42,1  | 42,1   | 42,1   | 42,1   | 42,1    | 42,1    | 42,1    |
| 3000            | 42,6                     | 42,6 | 43,7 | 43,7 | 43,7 | 43,7 | 43,7 | 43,7  | 43,7  | 43,7  | 43,7   | 43,7   | 43,7   | 43,7    | 43,7    | 43,7    |
| 2000            | 43,2                     | 43,2 | 44,2 | 44,2 | 44,2 | 44,2 | 44,2 | 44,2  | 44,2  | 44,2  | 44,2   | 44,2   | 44,2   | 44,2    | 44,2    | 44,2    |
| 1000            | 44,7                     | 44,7 | 45,8 | 45,8 | 45,8 | 45,8 | 45,8 | 45,8  | 45,8  | 45,8  | 45,8   | 45,8   | 45,8   | 45,8    | 45,8    | 45,8    |
| 800             | 48,9                     | 48,9 | 50,0 | 50,0 | 50,0 | 50,0 | 50,0 | 50,0  | 50,0  | 50,0  | 50,0   | 50,0   | 50,0   | 50,0    | 50,0    | 50,0    |
| 700             | 48,9                     | 48,9 | 50,0 | 50,0 | 50,0 | 50,0 | 50,0 | 50,0  | 50,0  | 50,0  | 50,0   | 50,0   | 50,0   | 50,0    | 50,0    | 50,0    |
| 600             | 48,9                     | 48,9 | 50,0 | 50,0 | 50,0 | 50,0 | 50,0 | 50,0  | 50,0  | 50,0  | 50,0   | 50,0   | 50,0   | 50,0    | 50,0    | 50,0    |
| 500             | 52,6                     | 52,6 | 53,7 | 53,7 | 53,7 | 53,7 | 53,7 | 53,7  | 53,7  | 53,7  | 53,7   | 53,7   | 53,7   | 53,7    | 53,7    | 53,7    |
| 450             | 52,6                     | 52,6 | 53,7 | 53,7 | 53,7 | 53,7 | 53,7 | 53,7  | 53,7  | 53,7  | 53,7   | 53,7   | 53,7   | 53,7    | 53,7    | 53,7    |
| 400             | 53,2                     | 53,2 | 54,2 | 54,2 | 54,2 | 54,2 | 54,2 | 54,2  | 54,2  | 54,2  | 54,2   | 54,2   | 54,2   | 54,2    | 54,2    | 54,2    |
| 350             | 53,2                     | 53,2 | 54,2 | 54,2 | 54,2 | 54,2 | 54,2 | 54,2  | 54,2  | 54,2  | 54,2   | 54,2   | 54,2   | 54,2    | 54,2    | 54,2    |
| 300             | 54,7                     | 54,7 | 55,8 | 55,8 | 55,8 | 55,8 | 55,8 | 55,8  | 55,8  | 55,8  | 55,8   | 55,8   | 55,8   | 55,8    | 55,8    | 55,8    |
| 250             | 74,7                     | 75,8 | 77,4 | 77,4 | 77,4 | 77,4 | 77,4 | 77,4  | 77,4  | 77,4  | 77,4   | 77,4   | 77,4   | 77,4    | 77,4    | 77,4    |
| 200             | 82,6                     | 82,7 | 83,8 | 83,8 | 83,8 | 83,8 | 83,8 | 83,8  | 83,8  | 83,8  | 83,8   | 83,8   | 83,8   | 83,8    | 83,8    | 83,8    |
| 150             | 82,6                     | 83,7 | 83,8 | 83,8 | 83,8 | 83,8 | 83,8 | 83,8  | 83,8  | 83,8  | 83,8   | 83,8   | 83,8   | 83,8    | 83,8    | 83,8    |
| 100             | 82,6                     | 87,4 | 91,1 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 90              | 86,8                     | 86,8 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 80              | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 70              | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 60              | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 50              | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 40              | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 30              | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 20              | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 10              | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |
| 0               | 87,4                     | 87,4 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6 | 92,6  | 92,6  | 92,6  | 92,6   | 92,6   | 92,6   | 92,6    | 92,6    | 92,6    |

TOTAL NUMBER OF OBSERVATIONS 190

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/44C

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

|                |         | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |       |       |       |        |        |        |         |
|----------------|---------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|---------|
|                |         | ≥ 10                       | ≥ 9  | ≥ 8  | ≥ 7  | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 1  | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 |
| CEILING (FEET) | ≥ 10000 | 44.4                       | 45.9 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1  | 48.1  | 48.1  | 48.1   | 48.1   | 48.1   | 48.1    |
|                | 9000    | 49.6                       | 51.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3   | 53.3   | 53.3   | 53.3    |
| IV 8000        | 8000    | 49.6                       | 51.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3   | 53.3   | 53.3   | 53.3    |
|                | 7000    | 49.6                       | 51.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3   | 53.3   | 53.3   | 53.3    |
| IV 6000        | 6000    | 50.8                       | 51.9 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1  | 54.1  | 54.1  | 54.1   | 54.1   | 54.1   | 54.1    |
|                | 5000    | 52.6                       | 54.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3  | 56.3  | 56.3  | 56.3   | 56.3   | 56.3   | 56.3    |
| IV 4000        | 4000    | 54.1                       | 55.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8  | 57.8  | 57.8  | 57.8   | 57.8   | 57.8   | 57.8    |
|                | 3000    | 58.6                       | 57.0 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3  | 59.3  | 59.3  | 59.3   | 59.3   | 59.3   | 59.3    |
| IV 2000        | 2000    | 57.0                       | 58.5 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7  | 60.7  | 60.7  | 60.7   | 60.7   | 60.7   | 60.7    |
|                | 1000    | 57.0                       | 58.5 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7  | 60.7  | 60.7  | 60.7   | 60.7   | 60.7   | 60.7    |
| IV 800         | 800     | 59.3                       | 60.7 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0  | 63.0  | 63.0  | 63.0   | 63.0   | 63.0   | 63.0    |
|                | 600     | 60.7                       | 62.2 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4  | 64.4  | 64.4   | 64.4   | 64.4   | 64.4    |
| IV 400         | 400     | 60.7                       | 62.2 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4  | 64.4  | 64.4   | 64.4   | 64.4   | 64.4    |
|                | 200     | 62.2                       | 63.7 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  | 65.9  | 65.9  | 65.9   | 65.9   | 65.9   | 65.9    |
| IV 100         | 100     | 63.7                       | 65.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4  | 67.4  | 67.4  | 67.4   | 67.4   | 67.4   | 67.4    |
|                | 50      | 64.4                       | 65.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  | 68.1  | 68.1  | 68.1   | 68.1   | 68.1   | 68.1    |
| IV 50          | 50      | 83.7                       | 85.2 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9  | 88.9  | 88.9  | 88.9   | 88.9   | 88.9   | 88.9    |
|                | 0       | 91.9                       | 93.3 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0  | 97.0  | 97.0  | 97.0   | 97.0   | 97.0   | 97.0    |
| IV 30          | 30      | 91.9                       | 93.3 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0  | 97.0  | 97.0  | 97.0   | 97.0   | 97.0   | 97.0    |
|                | 0       | 93.3                       | 94.8 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5  | 98.5  | 98.5  | 98.5   | 98.5   | 98.5   | 98.5    |
| IV 10          | 10      | 94.1                       | 95.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3   | 99.3   | 99.3   | 99.3    |
|                | 0       | 94.1                       | 95.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3   | 99.3   | 99.3   | 99.3    |
| IV 5           | 5       | 94.1                       | 95.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3   | 99.3   | 99.3   | 99.3    |
|                | 0       | 94.1                       | 95.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3   | 99.3   | 99.3   | 99.3    |
| IV 1           | 1       | 94.1                       | 95.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3   | 99.3   | 99.3   | 99.3    |
|                | 0       | 94.1                       | 95.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3   | 99.3   | 99.3   | 99.3    |
| IV 0           | 0       | 94.1                       | 95.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3   | 99.3   | 99.3   | 99.3    |
|                | 0       | 94.1                       | 95.6 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3   | 99.3   | 99.3   | 99.3    |

TOTAL NUMBER OF OBSERVATIONS 135

## CEILING VERSUS VISIBILITY

420

~~SECRET~~

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 180

## CEILING VERSUS VISIBILITY

0300-114

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 181

## CEILING VERSUS VISIBILITY

425

120-140

[illegible][illegible]TOTAL NUMBER OF OBSERVATIONS 178

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

2256

1500-1700

|                              |     |
|------------------------------|-----|
| TOTAL NUMBER OF OBSERVATIONS | 109 |
|------------------------------|-----|

## CEILING VERSUS VISIBILITY

25

C690-0800

[illegible]TOTAL NUMBER OF OBSERVATIONS 183

## CEILING VERSUS VISIBILITY

2.1.2

0900-1102

TOTAL NUMBER OF OBSERVATIONS 100

## CEILING VERSUS VISIBILITY

**EN**  
**MS**  
**IT**

1200-1400

[illegible]

TOTAL NUMBER OF CAPTIVITIES

# Index

## CEILING VERSUS VISIBILITY

434

142-1762

"TOTAL NUMBER OF OBSERVATIONS" \_\_\_\_\_ 110

119

— 257 —

## CEILING VERSUS VISIBILITY

34199

SIEGENBURG GERMANY GUNNERY RANGE 68-70

CCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS:

2603-0600

[illegible]

DATA PROCESSING DIVISION  
USAF STAC  
AJR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

| PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CEILING   | 20  | 24  | 28   | 32   | 36   | 40   | 44   | 48   | 52   | 56   | 60   | 64   | 68   | 72   | 76   | 80   |
| 2000  | 6.2 | 6.7 | 9.2  | 13.3 | 11.3 | 12.8 | 14.4 | 14.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 |
| 1800  | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 21.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 1600  | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 1400  | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 1200  | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 1000  | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 800   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 600   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 400   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 200   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 100   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 50  | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 25  | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 10  | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 5   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 2   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 1   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 0   | 8.2 | 9.7 | 13.3 | 13.9 | 15.9 | 17.9 | 20.0 | 20.0 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 00-70

CCY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

|         |       | VISIBILITY, STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|-------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |       | 20                        | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   | 95   |
| CEILING | 1000  | 16.1                      | 17.7 | 21.9 | 24.0 | 24.0 | 25.5 | 27.1 | 27.1 | 27.6 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
|         | 2000  | 20.8                      | 22.4 | 27.6 | 29.7 | 29.7 | 31.2 | 32.8 | 32.8 | 33.3 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 |
| CEILING | 3000  | 20.8                      | 22.4 | 27.6 | 29.7 | 29.7 | 31.2 | 32.8 | 32.8 | 33.3 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 |
|         | 4000  | 20.8                      | 22.4 | 27.6 | 29.7 | 29.7 | 31.2 | 32.8 | 32.8 | 33.3 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 | 33.9 |
| CEILING | 5000  | 23.4                      | 25.0 | 30.7 | 33.3 | 33.3 | 34.9 | 36.5 | 36.5 | 37.0 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
|         | 6000  | 23.4                      | 25.0 | 30.7 | 33.3 | 33.3 | 34.9 | 36.5 | 36.5 | 37.0 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| CEILING | 7000  | 24.0                      | 25.5 | 31.2 | 34.4 | 34.4 | 36.5 | 38.0 | 38.0 | 38.5 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
|         | 8000  | 24.0                      | 25.5 | 31.2 | 34.4 | 34.4 | 36.5 | 38.0 | 38.0 | 38.5 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| CEILING | 9000  | 24.0                      | 25.5 | 31.2 | 34.4 | 34.4 | 36.5 | 38.0 | 38.0 | 38.5 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
|         | 10000 | 24.0                      | 25.5 | 31.2 | 34.4 | 34.4 | 36.5 | 38.0 | 38.0 | 38.5 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| CEILING | 11000 | 25.0                      | 26.1 | 34.4 | 37.0 | 37.0 | 39.1 | 41.1 | 41.1 | 41.6 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
|         | 12000 | 25.0                      | 26.1 | 34.4 | 37.0 | 37.0 | 39.1 | 41.1 | 41.1 | 41.6 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| CEILING | 13000 | 26.1                      | 27.6 | 35.9 | 38.5 | 38.5 | 40.6 | 42.7 | 42.7 | 43.2 | 43.8 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
|         | 14000 | 26.1                      | 27.6 | 35.9 | 38.5 | 38.5 | 40.6 | 42.7 | 42.7 | 43.2 | 43.8 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| CEILING | 15000 | 29.7                      | 32.3 | 39.6 | 43.2 | 43.2 | 45.3 | 48.4 | 48.4 | 49.0 | 49.5 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
|         | 16000 | 29.7                      | 32.3 | 39.6 | 43.2 | 43.2 | 45.3 | 48.4 | 48.4 | 49.0 | 49.5 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| CEILING | 17000 | 31.0                      | 33.4 | 42.2 | 45.8 | 45.8 | 48.4 | 50.0 | 50.0 | 51.0 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
|         | 18000 | 31.0                      | 33.4 | 42.2 | 45.8 | 45.8 | 48.4 | 50.0 | 50.0 | 51.0 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| CEILING | 19000 | 34.9                      | 38.5 | 46.9 | 51.0 | 51.0 | 54.7 | 58.3 | 58.3 | 59.4 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
|         | 20000 | 40.1                      | 44.3 | 52.6 | 57.3 | 57.3 | 60.9 | 64.6 | 64.6 | 65.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| CEILING | 21000 | 40.1                      | 44.3 | 52.6 | 57.3 | 57.3 | 60.9 | 64.6 | 64.6 | 65.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
|         | 22000 | 42.2                      | 46.9 | 56.3 | 62.5 | 62.5 | 66.5 | 70.3 | 70.3 | 71.9 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| CEILING | 23000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 24000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 25000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 26000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 27000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 28000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 29000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 30000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 31000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 32000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 33000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 34000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 35000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 36000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 37000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 38000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 39000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 40000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 41000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 42000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 43000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 44000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 45000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 46000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 47000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 48000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 49000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 50000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 51000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 52000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 53000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 54000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 55000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 56000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 57000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 58000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 59000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 60000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 61000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 62000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 63000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 64000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 65000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 66000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 67000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 68000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 69000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 70000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 71000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|         | 72000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| CEILING | 73000 | 43.2                      | 48.4 | 59.9 | 66.5 | 66.5 | 70.3 | 74.0 | 74.0 | 75.6 |      |      |      |      |      |      |      |

## CEILING VERSUS VISIBILITY

207

1500=1700

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

|          | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   | 95   | 100 |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| NO. 100  | 5,9  | 5,9  | 7,6  | 7,6  | 7,6  | 10,1 | 10,1 | 10,1 | 10,9 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 14,3 |     |
| NO. 200  | 5,9  | 5,9  | 7,6  | 7,6  | 7,6  | 10,1 | 10,1 | 10,1 | 10,9 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 14,3 |     |
| NO. 300  | 5,9  | 5,9  | 7,6  | 7,6  | 7,6  | 10,1 | 10,1 | 10,1 | 10,9 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 14,3 |     |
| NO. 400  | 5,9  | 5,9  | 7,6  | 7,6  | 7,6  | 10,1 | 10,1 | 10,1 | 10,9 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 14,3 |     |
| NO. 500  | 5,9  | 5,9  | 7,6  | 7,6  | 7,6  | 10,1 | 10,1 | 10,1 | 10,9 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 13,4 | 14,3 |     |
| NO. 600  | 7,6  | 7,6  | 9,2  | 9,2  | 9,2  | 11,8 | 11,8 | 11,8 | 14,3 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 17,6 |     |
| NO. 700  | 8,4  | 9,2  | 10,9 | 10,9 | 10,9 | 13,4 | 13,4 | 13,4 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 17,6 |     |
| NO. 800  | 8,4  | 9,2  | 10,9 | 10,9 | 10,9 | 13,4 | 13,4 | 13,4 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 17,6 |     |
| NO. 900  | 8,4  | 9,2  | 10,9 | 10,9 | 10,9 | 13,4 | 13,4 | 13,4 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 16,8 | 17,6 |     |
| NO. 1000 | 15,1 | 16,0 | 17,6 | 17,6 | 17,6 | 20,2 | 20,2 | 20,2 | 21,0 | 23,5 | 23,5 | 23,5 | 23,5 | 23,5 | 23,5 | 24,4 |     |
| NO. 1100 | 15,1 | 16,0 | 17,6 | 17,6 | 17,6 | 20,2 | 20,2 | 20,2 | 21,0 | 23,5 | 23,5 | 23,5 | 23,5 | 23,5 | 23,5 | 24,4 |     |
| NO. 1200 | 16,8 | 17,6 | 19,3 | 19,3 | 19,3 | 21,8 | 21,8 | 21,8 | 22,7 | 25,2 | 25,2 | 25,2 | 25,2 | 25,2 | 25,2 | 26,1 |     |
| NO. 1300 | 17,6 | 18,5 | 20,2 | 20,2 | 20,2 | 22,7 | 22,7 | 22,7 | 23,5 | 26,1 | 26,1 | 26,1 | 26,1 | 26,1 | 26,1 | 26,9 |     |
| NO. 1400 | 17,6 | 18,5 | 20,2 | 20,2 | 20,2 | 22,7 | 22,7 | 22,7 | 23,5 | 26,1 | 26,1 | 26,1 | 26,1 | 26,1 | 26,1 | 26,9 |     |
| NO. 1500 | 20,2 | 23,5 | 26,1 | 26,1 | 26,1 | 29,9 | 29,9 | 29,9 | 30,8 | 32,8 | 32,8 | 32,8 | 32,8 | 32,8 | 32,8 | 33,6 |     |
| NO. 1600 | 30,8 | 36,5 | 40,3 | 40,3 | 40,3 | 43,7 | 43,7 | 43,7 | 44,5 | 47,1 | 47,1 | 47,1 | 47,1 | 47,1 | 47,1 | 47,9 |     |
| NO. 1700 | 32,8 | 36,5 | 40,3 | 40,3 | 40,3 | 43,7 | 43,7 | 43,7 | 44,5 | 47,1 | 47,1 | 47,1 | 47,1 | 47,1 | 47,1 | 47,9 |     |
| NO. 1800 | 37,0 | 43,7 | 47,9 | 47,9 | 47,9 | 51,3 | 51,3 | 51,3 | 52,2 | 54,8 | 54,8 | 54,8 | 54,8 | 54,8 | 54,8 | 55,7 |     |
| NO. 1900 | 41,2 | 47,9 | 51,3 | 51,3 | 51,3 | 54,8 | 54,8 | 54,8 | 55,7 | 58,3 | 58,3 | 58,3 | 58,3 | 58,3 | 58,3 | 59,2 |     |
| NO. 2000 | 41,2 | 47,9 | 51,3 | 51,3 | 51,3 | 54,8 | 54,8 | 54,8 | 55,7 | 58,3 | 58,3 | 58,3 | 58,3 | 58,3 | 58,3 | 59,2 |     |
| NO. 2100 | 42,0 | 47,9 | 51,3 | 51,3 | 51,3 | 54,8 | 54,8 | 54,8 | 55,7 | 58,3 | 58,3 | 58,3 | 58,3 | 58,3 | 58,3 | 59,2 |     |
| NO. 2200 | 42,0 | 47,9 | 51,3 | 51,3 | 51,3 | 54,8 | 54,8 | 54,8 | 55,7 | 58,3 | 58,3 | 58,3 | 58,3 | 58,3 | 58,3 | 59,2 |     |
| NO. 2300 | 42,7 | 50,4 | 58,0 | 58,0 | 58,0 | 61,3 | 61,3 | 61,3 | 62,2 | 64,8 | 64,8 | 64,8 | 64,8 | 64,8 | 64,8 | 65,7 |     |
| NO. 2400 | 44,5 | 52,2 | 59,7 | 59,7 | 59,7 | 63,1 | 63,1 | 63,1 | 64,0 | 66,6 | 66,6 | 66,6 | 66,6 | 66,6 | 66,6 | 67,5 |     |
| NO. 2500 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 2600 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 2700 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 2800 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 2900 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3000 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3100 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3200 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3300 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3400 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3500 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3600 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3700 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3800 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 3900 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |
| NO. 4000 | 46,2 | 53,9 | 61,3 | 61,3 | 61,3 | 64,8 | 64,8 | 64,8 | 65,7 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 68,3 | 69,2 |     |

TOTAL NUMBER OF OBSERVATIONS

119

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

9900-1100

|                |        | VISIBILITY (STATUTES MILES) |      |      |      |      |      |      |      |      |      |       |        |       |        |         |        |
|----------------|--------|-----------------------------|------|------|------|------|------|------|------|------|------|-------|--------|-------|--------|---------|--------|
|                |        | ≥ 10                        | ≥ 9  | ≥ 8  | ≥ 7  | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 1  | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 |
| CEILING (FEET) | ≥ 1000 | 9.9                         | 12.4 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 | 14.9 | 17.4  | 18.2   | 18.2  | 18.2   | 18.2    | 18.2   |
|                | 900    | 9.9                         | 12.4 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 | 14.9 | 17.4  | 18.2   | 18.2  | 18.2   | 18.2    | 18.2   |
| 800            | 700    | 9.9                         | 12.4 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 | 14.9 | 17.4  | 18.2   | 18.2  | 18.2   | 18.2    | 18.2   |
|                | 600    | 9.9                         | 12.4 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 | 14.9 | 17.4  | 18.2   | 18.2  | 18.2   | 18.2    | 18.2   |
| 500            | 400    | 9.9                         | 12.4 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 | 14.9 | 17.4  | 18.2   | 18.2  | 18.2   | 18.2    | 18.2   |
|                | 300    | 9.9                         | 12.4 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 | 14.9 | 17.4  | 18.2   | 18.2  | 18.2   | 18.2    | 18.2   |
| 200            | 100    | 9.9                         | 12.4 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 | 14.9 | 17.4  | 18.2   | 18.2  | 18.2   | 18.2    | 18.2   |
|                | 0      | 9.9                         | 12.4 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.9 | 14.9 | 17.4  | 18.2   | 18.2  | 18.2   | 18.2    | 18.2   |
| 100            | 0      | 11.6                        | 14.0 | 15.7 | 15.7 | 15.7 | 15.7 | 16.5 | 16.5 | 19.0 | 19.0 | 19.8  | 19.8   | 19.8  | 19.8   | 19.8    | 19.8   |
|                | 0      | 11.6                        | 14.0 | 15.7 | 15.7 | 15.7 | 15.7 | 16.5 | 16.5 | 19.0 | 19.0 | 19.8  | 19.8   | 19.8  | 19.8   | 19.8    | 19.8   |
| 0              | 0      | 13.2                        | 15.7 | 17.4 | 17.4 | 17.4 | 17.4 | 18.2 | 18.2 | 20.7 | 21.5 | 21.5  | 21.5   | 21.5  | 21.5   | 21.5    | 21.5   |
|                | 0      | 13.2                        | 15.7 | 17.4 | 17.4 | 17.4 | 17.4 | 18.2 | 18.2 | 20.7 | 21.5 | 21.5  | 21.5   | 21.5  | 21.5   | 21.5    | 21.5   |
| 0              | 0      | 18.2                        | 20.7 | 24.8 | 24.8 | 24.8 | 24.8 | 25.6 | 25.6 | 28.1 | 28.9 | 28.9  | 28.9   | 28.9  | 28.9   | 28.9    | 28.9   |
|                | 0      | 18.2                        | 20.7 | 24.8 | 24.8 | 24.8 | 24.8 | 25.6 | 25.6 | 28.1 | 28.9 | 28.9  | 28.9   | 28.9  | 28.9   | 28.9    | 28.9   |
| 0              | 0      | 19.8                        | 22.3 | 26.4 | 26.4 | 26.4 | 26.4 | 27.3 | 27.3 | 29.8 | 30.6 | 30.6  | 30.6   | 30.6  | 30.6   | 30.6    | 30.6   |
|                | 0      | 19.8                        | 22.3 | 26.4 | 26.4 | 26.4 | 26.4 | 27.3 | 27.3 | 29.8 | 30.6 | 30.6  | 30.6   | 30.6  | 30.6   | 30.6    | 30.6   |
| 0              | 0      | 20.7                        | 24.8 | 31.4 | 31.4 | 31.4 | 31.4 | 32.2 | 32.2 | 34.7 | 35.5 | 35.5  | 35.5   | 35.5  | 35.5   | 35.5    | 35.5   |
|                | 0      | 20.7                        | 24.8 | 31.4 | 31.4 | 31.4 | 31.4 | 32.2 | 32.2 | 34.7 | 35.5 | 35.5  | 35.5   | 35.5  | 35.5   | 35.5    | 35.5   |
| 0              | 0      | 21.5                        | 25.6 | 32.2 | 32.2 | 32.2 | 32.2 | 33.1 | 33.1 | 35.5 | 36.4 | 36.4  | 36.4   | 36.4  | 36.4   | 36.4    | 36.4   |
|                | 0      | 21.5                        | 25.6 | 32.2 | 32.2 | 32.2 | 32.2 | 33.1 | 33.1 | 35.5 | 36.4 | 36.4  | 36.4   | 36.4  | 36.4   | 36.4    | 36.4   |
| 0              | 0      | 22.3                        | 26.4 | 33.1 | 33.1 | 33.1 | 33.1 | 33.9 | 33.9 | 36.4 | 37.2 | 37.2  | 37.2   | 37.2  | 37.2   | 37.2    | 37.2   |
|                | 0      | 22.3                        | 26.4 | 33.1 | 33.1 | 33.1 | 33.1 | 33.9 | 33.9 | 36.4 | 37.2 | 37.2  | 37.2   | 37.2  | 37.2   | 37.2    | 37.2   |
| 0              | 0      | 22.3                        | 26.4 | 33.1 | 33.1 | 33.1 | 33.1 | 33.9 | 33.9 | 36.4 | 37.2 | 37.2  | 37.2   | 37.2  | 37.2   | 37.2    | 37.2   |
|                | 0      | 24.8                        | 30.6 | 35.5 | 35.5 | 35.5 | 35.5 | 37.0 | 37.0 | 39.5 | 40.3 | 40.3  | 40.3   | 40.3  | 40.3   | 40.3    | 40.3   |
| 0              | 0      | 27.3                        | 32.2 | 37.2 | 37.2 | 37.2 | 37.2 | 38.0 | 38.0 | 40.3 | 41.1 | 41.1  | 41.1   | 41.1  | 41.1   | 41.1    | 41.1   |
|                | 0      | 27.3                        | 32.2 | 37.2 | 37.2 | 37.2 | 37.2 | 38.0 | 38.0 | 40.3 | 41.1 | 41.1  | 41.1   | 41.1  | 41.1   | 41.1    | 41.1   |
| 0              | 0      | 30.6                        | 35.5 | 40.3 | 40.3 | 40.3 | 40.3 | 41.1 | 41.1 | 43.6 | 44.4 | 44.4  | 44.4   | 44.4  | 44.4   | 44.4    | 44.4   |
|                | 0      | 30.6                        | 35.5 | 40.3 | 40.3 | 40.3 | 40.3 | 41.1 | 41.1 | 43.6 | 44.4 | 44.4  | 44.4   | 44.4  | 44.4   | 44.4    | 44.4   |
| 0              | 0      | 32.2                        | 37.2 | 42.0 | 42.0 | 42.0 | 42.0 | 42.8 | 42.8 | 45.3 | 46.1 | 46.1  | 46.1   | 46.1  | 46.1   | 46.1    | 46.1   |
|                | 0      | 32.2                        | 37.2 | 42.0 | 42.0 | 42.0 | 42.0 | 42.8 | 42.8 | 45.3 | 46.1 | 46.1  | 46.1   | 46.1  | 46.1   | 46.1    | 46.1   |
| 0              | 0      | 33.1                        | 38.0 | 43.6 | 43.6 | 43.6 | 43.6 | 44.4 | 44.4 | 46.1 | 46.9 | 46.9  | 46.9   | 46.9  | 46.9   | 46.9    | 46.9   |
|                | 0      | 33.1                        | 38.0 | 43.6 | 43.6 | 43.6 | 43.6 | 44.4 | 44.4 | 46.1 | 46.9 | 46.9  | 46.9   | 46.9  | 46.9   | 46.9    | 46.9   |
| 0              | 0      | 35.5                        | 40.3 | 45.3 | 45.3 | 45.3 | 45.3 | 46.1 | 46.1 | 48.6 | 49.4 | 49.4  | 49.4   | 49.4  | 49.4   | 49.4    | 49.4   |
|                | 0      | 35.5                        | 40.3 | 45.3 | 45.3 | 45.3 | 45.3 | 46.1 | 46.1 | 48.6 | 49.4 | 49.4  | 49.4   | 49.4  | 49.4   | 49.4    | 49.4   |
| 0              | 0      | 37.2                        | 42.0 | 46.1 | 46.1 | 46.1 | 46.1 | 46.9 | 46.9 | 49.4 | 50.2 | 50.2  | 50.2   | 50.2  | 50.2   | 50.2    | 50.2   |
|                | 0      | 37.2                        | 42.0 | 46.1 | 46.1 | 46.1 | 46.1 | 46.9 | 46.9 | 49.4 | 50.2 | 50.2  | 50.2   | 50.2  | 50.2   | 50.2    | 50.2   |
| 0              | 0      | 40.3                        | 44.4 | 48.6 | 48.6 | 48.6 | 48.6 | 49.4 | 49.4 | 51.9 | 52.7 | 52.7  | 52.7   | 52.7  | 52.7   | 52.7    | 52.7   |
|                | 0      | 40.3                        | 44.4 | 48.6 | 48.6 | 48.6 | 48.6 | 49.4 | 49.4 | 51.9 | 52.7 | 52.7  | 52.7   | 52.7  | 52.7   | 52.7    | 52.7   |
| 0              | 0      | 41.1                        | 45.3 | 50.2 | 50.2 | 50.2 | 50.2 | 51.0 | 51.0 | 53.5 | 54.3 | 54.3  | 54.3   | 54.3  | 54.3   | 54.3    | 54.3   |
|                | 0      | 41.1                        | 45.3 | 50.2 | 50.2 | 50.2 | 50.2 | 51.0 | 51.0 | 53.5 | 54.3 | 54.3  | 54.3   | 54.3  | 54.3   | 54.3    | 54.3   |
| 0              | 0      | 42.0                        | 46.1 | 51.9 | 51.9 | 51.9 | 51.9 | 52.7 | 52.7 | 55.2 | 56.0 | 56.0  | 56.0   | 56.0  | 56.0   | 56.0    | 56.0   |
|                | 0      | 42.0                        | 46.1 | 51.9 | 51.9 | 51.9 | 51.9 | 52.7 | 52.7 | 55.2 | 56.0 | 56.0  | 56.0   | 56.0  | 56.0   | 56.0    | 56.0   |
| 0              | 0      | 43.6                        | 48.6 | 53.5 | 53.5 | 53.5 | 53.5 | 54.3 | 54.3 | 56.9 | 57.7 | 57.7  | 57.7   | 57.7  | 57.7   | 57.7    | 57.7   |
|                | 0      | 43.6                        | 48.6 | 53.5 | 53.5 | 53.5 | 53.5 | 54.3 | 54.3 | 56.9 | 57.7 | 57.7  | 57.7   | 57.7  | 57.7   | 57.7    | 57.7   |
| 0              | 0      | 44.4                        | 49.4 | 54.3 | 54.3 | 54.3 | 54.3 | 55.2 | 55.2 | 57.7 | 58.5 | 58.5  | 58.5   | 58.5  | 58.5   | 58.5    | 58.5   |
|                | 0      | 44.4                        | 49.4 | 54.3 | 54.3 | 54.3 | 54.3 | 55.2 | 55.2 | 57.7 | 58.5 | 58.5  | 58.5   | 58.5  | 58.5   | 58.5    | 58.5   |
| 0              | 0      | 46.1                        | 50.2 | 56.0 | 56.0 | 56.0 | 56.0 | 56.9 | 56.9 | 59.4 | 60.2 | 60.2  | 60.2   | 60.2  | 60.2   | 60.2    | 60.2   |
|                | 0      | 46.1                        | 50.2 | 56.0 | 56.0 | 56.0 | 56.0 | 56.9 | 56.9 | 59.4 | 60.2 | 60.2  | 60.2   | 60.2  | 60.2   | 60.2    | 60.2   |
| 0              | 0      | 48.6                        | 52.7 | 57.7 | 57.7 | 57.7 | 57.7 | 58.5 | 58.5 | 61.0 | 61.8 | 61.8  | 61.8   | 61.8  | 61.8   | 61.8    | 61.8   |
|                | 0      | 48.6                        | 52.7 | 57.7 | 57.7 | 57.7 | 57.7 | 58.5 | 58.5 | 61.0 | 61.8 | 61.8  | 61.8   | 61.8  | 61.8   | 61.8    | 61.8   |
| 0              | 0      | 50.2                        | 54.3 | 58.5 | 58.5 | 58.5 | 58.5 | 59.4 | 59.4 | 62.8 | 63.6 | 63.6  | 63.6   | 63.6  | 63.6   | 63.6    | 63.6   |
|                | 0      | 50.2                        | 54.3 | 58.5 | 58.5 | 58.5 | 58.5 | 59.4 | 59.4 | 62.8 | 63.6 | 63.6  | 63.6   | 63.6  | 63.6   | 63.6    | 63.6   |
| 0              | 0      | 51.9                        | 55.2 | 60.2 | 60.2 | 60.2 | 60.2 | 61.0 | 61.0 | 64.4 | 65.2 | 65.2  | 65.2   | 65.2  | 65.2   | 65.2    | 65.2   |
|                | 0      | 51.9                        | 55.2 | 60.2 | 60.2 | 60.2 | 60.2 | 61.0 | 61.0 | 64.4 | 65.2 | 65.2  | 65.2   | 65.2  | 65.2   | 65.2    | 65.2   |
| 0              | 0      | 53.5                        | 56.9 | 61.8 | 61.8 | 61.8 | 61.8 | 62.8 | 62.8 | 66.1 | 66.9 | 66.9  | 66.9   | 66.9  | 66.9   | 66.9    | 66.9   |
|                | 0      | 53.5                        | 56.9 | 61.8 | 61.8 | 61.8 | 61.8 | 62.8 | 62.8 | 66.1 | 66.9 | 66.9  | 66.9   | 66.9  | 66.9   | 66.9    | 66.9   |
| 0              | 0      | 56.0                        | 59.4 | 63.6 | 63.6 | 63.6 | 63.6 | 64.4 | 64.4 | 67.7 | 68.5 | 68.5  | 68.5   | 68.5  | 68.5   | 68.5    | 68.5   |
|                | 0      | 56.0                        | 59.4 | 63.6 | 63.6 | 63.6 | 63.6 | 64.4 | 64.4 | 67.7 | 68.5 | 68.5  | 68.5   | 68.5  | 68.5   | 68.5    | 68.5   |
| 0              | 0      | 57.7                        | 60.2 | 64.4 | 64.4 | 64.4 | 64.4 | 65.2 | 65.2 | 69.4 | 70.2 | 70.2  | 70.2   | 70.2  | 70.2   | 70.2    | 70.2   |
|                | 0      | 57.7                        | 60.2 | 64.4 | 64.4 | 64.4 | 64.4 | 65.2 | 65.2 | 69.4 | 70.2 | 70.2  | 70.2   | 70.2  | 70.2   | 70.2    | 70.2   |
| 0              | 0      | 60.2                        | 63.6 | 66.9 | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 71.9 | 72.7 | 72.7  | 72.7   | 72.7  | 72.7   | 72.7    | 72.7   |
|                | 0      | 60.2                        | 63.6 | 66.9 | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 71.9 | 72.7 | 72.7  | 72.7   | 72.7  | 72.7   | 72.7    | 72.7   |
| 0              | 0      | 61.8                        | 64.4 | 67.7 | 67.7 | 67.7 | 67.7 | 68.5 | 68.5 | 73.5 | 74.3 | 74.3  | 74.3   | 74.3  | 74.3   | 74.3    | 74.3   |
|                | 0      | 61.8                        | 64.4 | 67.7 | 67.7 | 67.7 | 67.7 | 68.5 | 68.5 | 73.5 | 74.3 | 74.3  | 74.3   | 74.3  | 74.3   | 74.3    | 74.3   |
| 0              | 0      | 63.6                        | 66.9 | 69.4 | 69.4 | 69.4 | 69.4 | 70.2 | 70.2 | 75.2 | 76.0 | 76.0  | 76.0   | 76.0  | 76.0   | 76.0    | 76.0   |
|                | 0      | 63.6                        | 66.9 | 69.4 | 69.4 | 69.4 | 69.4 | 70.2 | 70.2 | 75.2 | 76.0 | 76.0  | 76.0   | 76.0  | 76.0   | 76.0    | 76.0   |
| 0              | 0      | 66.1                        | 69.4 | 72.7 | 72.7 | 72.7 | 72.7 | 73.5 | 73.5 | 76.9 | 77.7 | 77.7  | 77.7   | 77.7  | 77.7   | 77.7    | 77.7   |
|                | 0      | 66.1                        | 69.4 | 72.7 | 72.7 | 72.7 | 72.7 | 73.5 | 73.5 | 76.9 | 77.7 | 77.7  | 77.7   | 77.7  | 77.7   | 77.7    | 77.7   |
| 0              | 0      | 68.5                        | 70.2 | 74.3 | 74.3 | 74.3 | 74.3 | 75.2 | 75.2 | 78.5 | 79.3 | 79.3  | 79.3   | 79.3  | 79.3   | 79.3    | 79.3   |
|                | 0      | 68.5                        | 70.2 | 74.3 | 74.3 | 74.3 | 74.3 | 75.2 | 75.2 | 78.5 | 79.3 | 79.3  | 79.3   | 79.3  | 79.3   | 79.3    | 79.3   |
| 0              | 0      | 70.2                        | 74.3 | 78.5 | 78.5 | 78.5 | 78.5 | 79.3 | 79.3 | 81.0 | 81.8 | 81.8  | 81.8   | 81.8  | 81.8   | 81.8    | 81.8   |
|                | 0      | 70.2                        | 74.3 | 78.5 | 78.5 | 78.5 | 78.5 | 79.3 | 79.3 | 81.0 | 81.8 | 81.8  | 81.8   | 81.8  | 81.8   | 81.8    | 81.8   |
| 0              | 0      | 72.7                        | 76.0 | 80.2 | 80.2 | 80.2 | 80.2 | 81.0 | 81.0 | 83.5 | 84.3 | 84.3  | 84.3   | 84.3  | 84.3   | 84.3    | 84.3   |
|                | 0      | 72.7                        | 76.0 | 80.2 | 80.2 | 80.2 | 80.2 | 81.0 | 81.0 | 83.5 | 84.3 | 84.3  | 84.3   | 84.3  |        |         |        |

## CEILING VERSUS VISIBILITY

152

220-1400

— 200 —

[illegible]

TOTAL NUMBER OF OBSERVATIONS

## CEILING VERSUS VISIBILITY

154

1520-1720

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## CEILING VERSUS VISIBILITY

34199      SIEGENBURG GERMANY GUNNERY RANGE      68-70

230

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

[illegible]

## CEILING VERSUS VISIBILITY

133

09-0-110^

[illegible]

2

270

1200-1400

[illegible]

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 119

## CEILING VERSUS VISIBILITY

060

1500-1750

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 23



DATA PROCESSING DIVISION  
STAC/USAF  
AIR WEATHER SERVICE/HAC

# SKY COVER

3-199 SIEGENWAG GERMANY GUNNERY RANGE 60-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH | ALL | 1-3  | 4-6 | 7-9 | 10-12 | 13-15 | 16-18 | 19-21 | 22-24 | 25-27 | 28-30 | TOTAL |
|-------|-----|------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| JAN   | ALL | 1.2  | 2.4 | 7.3 | 4.6   | 1.9   | 4.2   | 10.2  | 6.2   | 5.8   | 176   |       |
| FEB   |     | 1.0  | 4.0 | 1.2 | 2.1   | 5.4   | 0.1   | 12.0  | 6.4   | 51.4  | 0.3   | 385   |
| MAR   |     | 13.1 | 1.4 | 1.7 | 2.9   | 3.1   | 2.0   | 9.4   | 7.5   | 60.0  | 7.3   | 427   |
| APR   |     | 19.4 | 1.1 | 1.9 | 1.8   | 1.0   | 2.5   | 11.2  | 17.9  | 40.2  | 7.2   | 496   |
| MAY   |     | 4.0  | 1.6 | 2.7 | 10.0  | 10.6  | 10.3  | 21.1  | 15.7  | 27.0  | 7.3   | 512   |
| JUN   |     | 8.3  | 1.3 | 3.2 | 14.4  | 6.8   | 9.8   | 13.3  | 16.8  | 20.8  | 6.7   | 606   |
| JUL   |     | 23.4 | 5.1 | 2.6 | 4.9   | 5.5   | 6.4   | 8.7   | 11.0  | 27.6  | 3.6   | 707   |
| AUG   |     | 8.1  | 2.9 | 4.0 | 7.4   | 10.4  | 13.0  | 12.3  | 9.1   | 32.8  | 6.8   | 667   |
| SEP   |     | 10.6 | 4.2 | 7.0 | 7.6   | 9.5   | 6.3   | 13.8  | 10.6  | 26.3  | 6.1   | 671   |
| OCT   |     | 9.7  | 1.0 | 2.6 | 3.3   | 3.9   | 6.5   | 12.1  | 8.7   | 31.3  | 7.7   | 673   |
| NOV   |     | 3.4  | 3.3 | 4.5 | 2.3   | 5.0   | 2.2   | 3.0   | 8.9   | 64.7  | 8.4   | 421   |
| DEC   |     | 17.0 | 1.5 | 1.4 | 3.9   | 1.9   | 1.7   | 3.1   | 2.6   | 60.2  | 7.3   | 415   |
| TOTAL |     | 10.6 | 2.2 | 2.9 | 3.7   | 5.6   | 5.9   | 11.5  | 10.2  | 45.6  | 7.4   | 6314  |

SKY COVER

222. C

112

| MONTH  | HOURS<br>EST | PERCENTAGE FREQUENCY OF LENGTHS OF TOTAL SKY COVER |   |     |      |     |     |   |     |      |      | MEAN<br>--TENTHS OF<br>SKY COVER | TOTAL<br>NO OF<br>OBS |
|--------|--------------|--|---|-----|------|-----|-----|---|-----|------|------|----------------------------------|-----------------------|
|        |              | 0  | 2 | 3   | 4    | 5   | 6   | 7 | 8   | 9    | 0    |                                  |                       |
| JAN    | 00-02        |  |   |     |      |     |     |   |     |      |      |                                  |                       |
|        | 03-05        |  |   |     |      |     |     |   |     |      |      |                                  |                       |
|        | 06-08        | 4.4  |   | 2.0 | 1.8  | 4.4 | 1.8 |   | 7.0 | 8.1  | 71.9 | 8.8                              | 114                   |
|        | 09-11        | .9   |   | .9  | 2.7  | 3.6 | 2.7 |   | 7.1 | 9.8  | 72.3 | 9.2                              | 112                   |
|        | 12-14        |  |   | .9  | 7.3  | 4.5 | 1.9 |   | 8.2 | 13.6 | 64.5 | 8.9                              | 110                   |
|        | 15-17        |  |   | 5.0 | 17.5 | 5.0 |     |   | 2.5 | 12.5 | 57.5 | 8.2                              | 40                    |
|        | 18-20        |  |   |     |      |     |     |   |     |      |      |                                  |                       |
|        | 21-23        |  |   |     |      |     |     |   |     |      |      |                                  |                       |
| TOTALS |              | 1.3  |   | 2.4 | 7.3  | 4.4 | 1.4 |   | 6.2 | 10.5 | 66.6 | 8.8                              | 376                   |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

34199 JIEGENBURG GERMANY GUNNERY RANGE  
STATION

69-70

PERIOD

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |      |      |     |      |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|--------------|---|-----|-----|-----|-----|------|------|-----|------|-----|--------------------------------|------------------------|
|        |              | 0   | 1   | 2   | 3   | 4   | 5    | 6    | 7   | 8    | 9   |                                |                        |
| FEB    | 00-02        |   |     |     |     |     |      |      |     |      |     |                                |                        |
|        | 03-05        |   |     |     |     |     |      |      |     |      |     |                                |                        |
|        | 06-08        | 4.5   | 2.7 |     |     | 1.8 | 3.6  | 3.6  |     | 10.8 | 5.4 | 67.6                           | 111                    |
|        | 09-11        | 1.8   | 2.7 |     |     | 2.7 | 11.7 | .9   |     | 7.2  | 8.1 | 64.9                           | 111                    |
|        | 12-14        |   | 2.7 | 2.7 | 1.8 | 4.5 | 4.5  |      |     | 14.4 | 8.1 | 61.3                           | 111                    |
|        | 15-17        |   | 7.7 | 1.9 | 1.9 | 1.9 | 15.6 |      |     | 15.4 | 3.8 | 52.9                           | 52                     |
|        | 18-20        |   |     |     |     |     |      |      |     |      |     |                                |                        |
|        | 21-23        |   |     |     |     |     |      |      |     |      |     |                                |                        |
| TOTALS |              | 1.6   | 4.0 | 1.2 | 2.1 | 5.4 | 6.1  | 12.0 | 6.4 | 61.4 | 8.5 | 385                            |                        |

SKY COVER

42

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |   |      |     |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|--------------|---|-----|-----|-----|-----|-----|---|------|-----|------|--------------------------------|------------------------|
|        |              | 0   | 1   | 2   | 3   | 4   | 5   | 6 | 7    | 8   | 9    |                                |                        |
| MAR    | 00-02        |   |     |     |     |     |     |   |      |     |      |                                |                        |
|        | 03-05        |   |     |     |     |     |     |   |      |     |      |                                |                        |
|        | 06-08        | 6.7   |     | 1.7 |     | 1.7 | .8  |   | 8.4  | 9.2 | 71.4 | 8.8                            | 119                    |
|        | 09-11        | 12.6  | 2.5 |     | 2.5 | 4.2 | 3.4 |   | 5.9  | 5.9 | 63.0 | 7.8                            | 119                    |
|        | 12-14        | 13.6  | 1.7 | .9  | 3.4 | 5.2 | .9  |   | 9.5  | 6.9 | 57.8 | 7.6                            | 116                    |
|        | 15-17        | 19.2  | 1.4 |     | 5.5 | 1.4 | 2.7 |   | 15.7 | 8.2 | 47.9 | 7.1                            | 75                     |
|        | 18-20        |   |     |     |     |     |     |   |      |     |      |                                |                        |
|        | 21-23        |   |     |     |     |     |     |   |      |     |      |                                |                        |
| TOTALS |              | 13.1  | 1.4 | .7  | 2.9 | 3.1 | 2.0 |   | 5.4  | 7.4 | 80.0 | 7.8                            | 427                    |

SKY COVER

PER CC

AP3  
4212

| MONTH  | 4 DAYS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |    |     |     |     |     |   |      |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|--------|---|----|-----|-----|-----|-----|---|------|------|------|--------------------------------|------------------------|
|        |        | 0   | 1  | 2   | 3   | 4   | 5   | 6 | 7    | 8    | 9    |                                |                        |
| APR    | 00-02  |   |    |     |     |     |     |   |      |      |      |                                |                        |
|        | 03-05  |   |    |     |     |     |     |   |      |      |      |                                |                        |
|        | 06-08  | 0.7   | .7 | 1.5 | 4.4 | 3.7 | 1.5 |   | 7.1  | 7.4  | 66.7 | 8.4                            | 135                    |
|        | 09-11  | 0.7   |    | 1.5 | 3.0 | 1.5 | 4.5 |   | 10.4 | 14.2 | 58.2 | 8.4                            | 134                    |
|        | 12-14  | 0.5   |    | 1.4 | 1.4 |     | 2.9 |   | 13.8 | 8.0  | 65.9 | 8.7                            | 138                    |
|        | 15-17  | 10.2  |    |     |     |     | 3.4 |   | 25.0 | 11.4 | 50.0 | 8.2                            | 38                     |
|        | 18-20  | 66.7  |    |     |     |     |     |   |      | 33.3 |      | 3.0                            | 3                      |
|        | 21-23  |   |    |     |     |     |     |   |      |      |      |                                |                        |
| TOTALS |        | 19.4  | .1 | .9  | 1.8 | 1.0 | 2.5 |   | 11.3 | 14.9 | 48.2 | 7.3                            | 498                    |

DATA PROCESSING DIVISION  
STAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

STATION

STATION NAME

PERIOD

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |     |      |      |      |   |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|--------------|---|-----|---|-----|------|------|------|---|------|------|--------------------------------|------------------------|
|        |              | 0   | 1   | 2 | 3   | 4    | 5    | 6    | 7 | 8    | 9    |                                |                        |
| MAY    | 00-02        |   |     |   |     |      |      |      |   |      |      |                                |                        |
|        | 03-05        |   |     |   |     |      |      |      |   |      |      |                                |                        |
|        | 06-08        | 12.6  | 3.2 |   | 5.2 | 9.6  | 2.2  | 2.2  |   | 11.9 | 5.2  | 48.9                           | 135                    |
|        | 09-11        | 5.2   | .7  |   | 7.5 | 11.2 | 7.5  | 5.2  |   | 9.7  | 15.7 | 37.3                           | 134                    |
|        | 12-14        | 2.2   |     |   | .7  | 8.2  | 13.4 | 10.4 |   | 18.7 | 14.9 | 31.3                           | 134                    |
|        | 15-17        |   |     |   |     | 9.9  | 14.7 | 19.6 |   | 22.5 | 18.0 | 17.0                           | 102                    |
|        | 18-20        |   |     |   |     | 14.3 | 14.3 | 14.3 |   | 42.9 | 14.3 |                                | 7                      |
|        | 21-23        |   |     |   |     |      |      |      |   |      |      |                                |                        |
| TOTALS |              | 4.0   | .6  |   | 2.7 | 10.0 | 10.4 | 10.3 |   | 21.1 | 13.7 | 27.0                           | 512                    |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SKY COVER

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS:

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |   |     |      |      |      |   |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |     |
|--------|--------------|---|-----|---|-----|------|------|------|---|------|------|--------------------------------|------------------------|-----|
|        |              | 0   | 1   | 2 | 3   | 4    | 5    | 6    | 7 | 8    | 9    |                                |                        |     |
| JUN    | 00-02        |   |     |   |     |      |      |      |   |      |      |                                |                        |     |
|        | 03-05        |   |     |   |     | 40.0 |      |      |   | 40.0 | 20.0 | 6.6                            | 5                      |     |
|        | 06-08        | 24.4  | 3.7 |   | 3.7 | 3.7  | 4.9  | 6.7  |   | 7.3  | 14.6 | 31.1                           | 6.0                    | 164 |
|        | 09-11        | 18.9  | .6  |   | 4.8 | 9.0  | 9.0  | 9.6  |   | 11.4 | 10.3 | 30.7                           | 6.5                    | 166 |
|        | 12-14        | 2.5   | 1.2 |   | 3.1 | 7.4  | 11.7 | 13.6 |   | 17.3 | 17.3 | 25.9                           | 7.3                    | 162 |
|        | 15-17        | 1.8   | .9  |   | 4.6 | 11.9 | 8.3  | 19.3 |   | 15.6 | 21.1 | 16.5                           | 7.0                    | 109 |
|        | 18-20        |   |     |   |     |      |      |      |   |      |      |                                |                        |     |
|        | 21-23        |   |     |   |     |      |      |      |   |      |      |                                |                        |     |
| TOTALS |              | 8.5   | 1.3 |   | 3.2 | 14.4 | 6.3  | 9.8  |   | 18.3 | 16.8 | 20.8                           | 5.7                    | 606 |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

24199 SIEGENSBURG GERMANY GUNNERY RANGE

98-70

JUL  
1964

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>LAST | PERCENTAGE FREQUENCY OF OCCURRENCE OF DATA SKY COVER |     |     |     |     |      |      |      |      |     | MEAN<br>PERCENTAGE OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|---------------|--|-----|-----|-----|-----|------|------|------|------|-----|------------------------------------|------------------------|
|        |               | 0  | 1   | 2   | 3   | 4   | 5    | 6    | 7    | 8    | 9   |                                    |                        |
| JUL    | 00-02         |  |     |     |     |     |      |      |      |      |     |                                    |                        |
|        | 03-05         |  |     |     |     |     |      |      |      |      |     |                                    |                        |
|        | 06-08         | 28.2   | 3.7 | 3.2 | 3.2 | 6.9 | 3.7  | 6.4  | 7.4  | 19.4 | 5.8 | 189                                |                        |
|        | 09-11         | 29.9   | 3.2 | 3.6 | 1.9 | 6.2 | 4.1  | 9.3  | 7.7  | 32.0 | 5.5 | 194                                |                        |
|        | 12-14         | 21.1   | 6.7 | 4.7 | 3.3 | 4.2 | 11.1 | 19.0 | 16.8 | 28.6 | 8.5 | 192                                |                        |
|        | 15-17         | 22.2   | 6.7 | 3.0 | 9.9 | 6.7 | 16.8 | 8.1  | 12.6 | 16.3 | 5.2 | 135                                |                        |
|        | 18-20         |  |     |     |     |     |      |      |      |      |     |                                    |                        |
|        | 21-23         |  |     |     |     |     |      |      |      |      |     |                                    |                        |
| TOTALS |               | 25.4   | 5.1 | 3.6 | 6.9 | 5.3 | 8.4  | 8.4  | 11.0 | 27.6 | 5.6 | 707                                |                        |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

AUG  
1969

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>UTC | PERCENTAGE FREQUENCY (TENTHS OF TOTAL SKY COVER) |     |   |     |     |      |      |   |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |
|--------|--------------|--|-----|---|-----|-----|------|------|---|------|------|--------------------------------|-------------------------|
|        |              | 0  | 1   | 2 | 3   | 4   | 5    | 6    | 7 | 8    | 9    |                                |                         |
| AUG    | 00-02        |  |     |   |     |     |      |      |   |      |      |                                |                         |
|        | 03-05        |  |     |   |     |     |      |      |   |      |      |                                |                         |
|        | 06-08        | 8.9  | 2.0 |   | 3.4 | 5.0 | 7.6  | 6.1  |   | 9.5  | 8.4  | 48.0                           | 179                     |
|        | 09-11        | 13.6   | 3.9 |   | 2.9 | 6.6 | 6.6  | 7.2  |   | 12.7 | 4.4  | 40.9                           | 181                     |
|        | 12-14        | 6.7  | 2.2 |   | 5.1 | 9.6 | 9.6  | 17.4 |   | 11.2 | 10.7 | 27.3                           | 578                     |
|        | 15-17        | 2.8  | 2.8 |   | 4.6 | 8.3 | 17.4 | 21.1 |   | 15.6 | 12.8 | 14.7                           | 109                     |
|        | 18-20        |  |     |   |     |     |      |      |   |      |      |                                |                         |
|        | 21-23        |  |     |   |     |     |      |      |   |      |      |                                |                         |
| TOTALS |              | 8.1  | 2.9 |   | 4.3 | 7.4 | 10.4 | 13.0 |   | 12.3 | 9.1  | 32.8                           | 647                     |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/4AC

# SKY COVER

24199 SIEGENBURG GERMANY GUNNERY RANGE 68-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH  | HOURS | PERCENTAGE FREQUENCY OF TENTH OF TOTAL SKY COVER |     |      |     |      |     |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |     |
|--------|-------|--|-----|------|-----|------|-----|------|------|--------------------------------|------------------------|-----|
| SEP    | 00=02 |  |     |      |     |      |     |      |      |                                |                        |     |
|        | 03=05 |  |     |      |     |      |     |      |      |                                |                        |     |
|        | 06=08 | 11.5   | 2.2 | 7.1  | 4.4 | 8.7  | 6.0 | 13.7 | 8.2  | 38.3                           | 6.9                    | 163 |
|        | 09=11 | 23.1   | 3.2 | 6.5  | 7.0 | 5.4  | 5.9 | 11.3 | 13.4 | 24.2                           | 5.7                    | 186 |
|        | 12=14 | 12.5   | 7.1 | 3.9  | 9.8 | 8.2  | 8.2 | 17.4 | 11.4 | 22.3                           | 6.1                    | 184 |
|        | 15=17 | 11.9   | 4.2 | 11.0 | 9.3 | 10.1 | 5.1 | 12.7 | 9.3  | 20.3                           | 5.7                    | 118 |
|        | 18=20 |  |     |      |     |      |     |      |      |                                |                        |     |
|        | 21=23 |  |     |      |     |      |     |      |      |                                |                        |     |
| TOTALS |       | 14.8   | 4.2 | 7.0  | 7.6 | 9.6  | 6.3 | 13.8 | 10.6 | 26.3                           | 6.1                    | 671 |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

767  
1968

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH | HOURS<br>U.S. | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |      |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|-------|---------------|---|-----|-----|-----|-----|------|------|------|--------------------------------|-------------------------|-----|
| OCT   | 00-22         |   |     |     |     |     |      |      |      |                                |                         |     |
|       | 03-05         |   |     |     |     |     |      |      |      |                                |                         |     |
|       | 06-08         | 1.1   | 2.6 | 1.6 | 3.2 | 1.1 | 2.1  | 5.8  | 5.8  | 76.8                           | 9.0                     | 190 |
|       | 09-11         | 6.7   | 3.1 | .5  | .3  | 2.6 | 4.6  | 11.8 | 9.2  | 61.0                           | 8.3                     | 195 |
|       | 12-14         | 12.0  | .5  | 2.1 | 4.2 | 5.7 | 8.9  | 13.0 | 9.4  | 44.3                           | 7.4                     | 192 |
|       | 15-17         | 18.6  |     | 6.3 | 7.3 | 6.3 | 10.4 | 17.7 | 10.4 | 22.9                           | 6.1                     | 96  |
|       | 18-20         |   |     |     |     |     |      |      |      |                                |                         |     |
|       | 21-23         |   |     |     |     |     |      |      |      |                                |                         |     |
|       |               |   |     |     |     |     |      |      |      |                                |                         |     |
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|       |               |   |     |     |     |     |      |      |      |                                |                         |     |
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DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-72

NOV  
1964

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH  | HOURLY<br>OBS. | PERCENTAGE FREQUENCY OF OCCURRENCE OF TOTAL SKY COVER |     |     |     |     |     |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|--------|----------------|---|-----|-----|-----|-----|-----|------|------|--------------------------------|-------------------------|-----|
| NOV    | 00-02          |   |     |     |     |     |     |      |      |                                |                         |     |
|        | 03-05          |   |     |     |     |     |     |      |      |                                |                         |     |
|        | 06-08          | 1.9   | 2.4 | 1.9 | 5.2 | 4.3 | 3.4 | 0.0  | 75.9 | 8.1                            | 114                     |     |
|        | 09-11          | 4.1   | 1.0 | 6.6 | 2.5 | 4.1 | 3.3 | 10.7 | 67.6 | 8.5                            | 121                     |     |
|        | 12-14          | 2.6   | 0.1 | 3.5 | 1.7 | 2.6 | 2.6 | 6.1  | 6.7  | 66.1                           | 8.6                     | 115 |
|        | 15-17          | 6.1   | 8.2 | 4.1 | 4.1 | 3.2 | 2.0 | 5.2  | 10.2 | 49.0                           | 7.4                     | 98  |
|        | 18-20          |   |     |     |     |     |     |      |      |                                |                         |     |
|        | 21-23          |   |     |     |     |     |     |      |      |                                |                         |     |
| TOTALS |                | 3.4   | 3.8 | 4.4 | 2.3 | 5.0 | 2.2 | 5.3  | 8.9  | 64.7                           | 8.4                     | 401 |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

24199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH  | HOURLY<br>OBS | PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS |     |     |     |     |      |     |      |      |     | MEAN<br>PERCENTS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS |
|--------|---------------|---|-----|-----|-----|-----|------|-----|------|------|-----|----------------------------------|------------------------|
| DEC    | 00-02         |   |     |     |     |     |      |     |      |      |     |                                  |                        |
|        | 03-05         |   |     |     |     |     |      |     |      |      |     |                                  |                        |
|        | 06-08         | 13.6  | 1.4 | 2.1 | 2.9 | 2.1 | 4.3  | 2.1 | 71.4 | 8.1  | 140 |                                  |                        |
|        | 09-11         | 12.8  |     | 2.3 | 1.3 | 2.3 | 4.5  | 6.0 | 3.2  | 66.9 | 6.0 | 133                              |                        |
|        | 12-14         | 13.4  | 1.7 | 4.2 | 3.4 | 2.5 | 9.2  | 4.2 | 61.3 | 7.7  | 119 |                                  |                        |
|        | 15-17         | 30.4  |     | 8.7 |     |     | 12.2 | 4.3 | 43.5 | 6.1  | 23  |                                  |                        |
|        | 18-20         |   |     |     |     |     |      |     |      |      |     |                                  |                        |
|        | 21-23         |   |     |     |     |     |      |     |      |      |     |                                  |                        |
| TOTALS |               | 17.6  | .8  | 1.6 | 3.9 | 1.9 | 1.7  | 8.1 | 3.6  | 60.8 | 7.5 | 413                              |                        |

1. The following information is to be furnished for each test article, test condition, and test result:

## PART I PSYCHROMETRIC SUMMARIES

1. The following information is to be furnished for each test article, test condition, and test result:

1. The following information is to be furnished for each test article, test condition, and test result:

DATA NOT AVAILABLE  
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2. The following information is to be furnished for each test article, test condition, and test result:

DATA NOT AVAILABLE

3. The following information is to be furnished for each test article, test condition, and test result:

4. The following information is to be furnished for each test article, test condition, and test result:

The following information is to be furnished for each test article, test condition, and test result:

NOTE: A percentage frequency in this table of .01 represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the form. These consist of the sum of squares ( $\sum X^2$ ), sum of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Hour number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1950; and was computed by machine method for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all years combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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# PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

PAGE 1

ALL  
ALL

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION F |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    | TOTAL |     | TOTAL |     |    |
|-------------|-----------------------------------|---|------------|-----|----------|---|------------|---|---------|----|------------------------------------|----|----|----|----|----|----|----|----|----|----|----|-------|----|----|----|-------|-----|-------|-----|----|
|             | 0                                 | 1 | 2          | 3-4 | 5-6      | 7 | 8          | 9 | 10      | 11 | 12                                 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24    | 25 | 26 | 27 | 28    | 29  | 30    | 31  | 32 |
| 94/ 93      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 3   |       | 3   |    |
| 90/ 89      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 10  |       | 10  |    |
| 88/ 87      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 8   |       | 8   |    |
| 86/ 85      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 37  |       | 37  |    |
| 84/ 83      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 58  |       | 58  |    |
| 82/ 81      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 73  |       | 73  |    |
| 80/ 79      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 71  |       | 71  |    |
| 78/ 77      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 1   |       | 139 |    |
| 76/ 75      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 127 |       | 127 |    |
| 74/ 73      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 139 |       | 139 |    |
| 72/ 71      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 116 |       | 116 |    |
| 70/ 69      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 149 |       | 149 |    |
| 68/ 67      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 212 |       | 212 |    |
| 66/ 65      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 178 |       | 178 |    |
| 64/ 63      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 255 |       | 255 |    |
| 62/ 61      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 266 |       | 266 |    |
| 60/ 59      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 287 |       | 287 |    |
| 58/ 57      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 350 |       | 350 |    |
| 56/ 55      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 261 |       | 261 |    |
| 54/ 53      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 255 |       | 255 |    |
| 52/ 51      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 173 |       | 173 |    |
| 50/ 49      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 361 |       | 361 |    |
| 48/ 47      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 207 |       | 207 |    |
| 46/ 45      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 197 |       | 197 |    |
| 44/ 43      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 153 |       | 153 |    |
| 42/ 41      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 247 |       | 247 |    |
| 40/ 39      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 249 |       | 249 |    |
| 38/ 37      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 211 |       | 211 |    |
| 36/ 35      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 236 |       | 236 |    |
| 34/ 33      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 206 |       | 206 |    |
| 32/ 31      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 290 |       | 290 |    |
| 30/ 29      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 196 |       | 196 |    |
| 28/ 27      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 123 |       | 123 |    |
| 26/ 25      |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       | 103 |       | 103 |    |
| Element (X) | $\Sigma x^2$                      |   | $\Sigma x$ |     | $\Sigma$ |   | $\sigma_x$ |   | No. G's |    | Mean No. of Hours with Temperature |    |    |    |    |    |    |    |    |    |    |    | Total |    |    |    |       |     |       |     |    |
| Rel. Hum.   |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       |     |       |     |    |
| Dry Bulb    |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       |     |       |     |    |
| Wet Bulb    |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       |     |       |     |    |
| Dew Point   |                                   |   |            |     |          |   |            |   |         |    |                                    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |       |     |       |     |    |

USAF ETAC FORM 0-26-5 (OL A) JUL 64

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# PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

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| Temp<br>F) | WET BULB TEMPERATURE DEPRESSION F. |      |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL<br>DB - WB | TOTAL<br>DB - WB | TOTAL<br>DB - WB | TOTAL<br>DB - WB |
|------------|------------------------------------|------|------|-----|-----|------|-------|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------------|------------------|------------------|------------------|
|            | 0                                  | 1-2  | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13  | 14  | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29               | 30               | 31               | 32               |
| 24/ 23     | 1.5                                | 1.0  |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 160              | 160              | 147              | 163              |
| 22/ 21     | .5                                 | .3   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 48               | 48               | 78               | 119              |
| 20/ 19     | .5                                 | .3   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47               | 48               | 44               | 59               |
| 18/ 17     | .3                                 | .1   | .0   |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 30               | 30               | 38               | 56               |
| 16/ 15     | .4                                 | .0   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 28               | 28               | 31               | 35               |
| 14/ 13     | .3                                 | .1   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26               | 26               | 24               | 44               |
| 12/ 11     | .2                                 | .0   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 16               | 16               | 18               | 17               |
| 10/ 9      | .2                                 | .0   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 14               | 14               | 15               | 17               |
| 8/ 7       | .1                                 | .0   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 5                | 5                | 4                | 15               |
| 6/ 5       | .1                                 | .1   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 9                | 9                | 8                | 8                |
| 4/ 3       |                                    | .0   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3                | 3                | 3                | 4                |
| 2/ 1       | .1                                 | .0   |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 5                | 5                | 7                |                  |
| 0/ =1      | .1                                 |      |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4                | 4                | 4                |                  |
| -2/ =3     | .1                                 |      |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4                | 4                | 4                | 5                |
| -4/ =5     | .1                                 |      |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6                | 6                | 6                | 15               |
| -6/ =7     |                                    |      |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                  |                  |                  | 6                |
| TOTAL      | 17.9                               | 33.4 | 15.2 | 8.5 | 7.5 | 5.4  | 5.1   | 3.9 | 1.9 | .9 | .3 |    |    |    |    |    |    |    |    |    |    |    |    |                  | 6343             | 6344             | 6343             |
|            |                                    |      |      |     |     |      |       |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                  | 6343             |                  | 6343             |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hours with Temperature |             |             |             |             |             | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum    | 40097756     | 491908     | 77.61     | 7.533 | 6343     | $\leq 0 F$                         | $\leq 32 F$ | $\geq 67 F$ | $\geq 73 F$ | $\geq 80 F$ | $\geq 90 F$ |       |
| Dry Bulb    | 17772249     | 318063     | 50.116    | 9.56  | 6344     | 24.81                              | 594.31      | 304.6       | 756.8       | 254.0       | 3.2         | 8760  |
| Wet Bulb    | 14629237     | 291865     | 46.013    | 7.52  | 6343     | 24.92                              | 64.61       | 258.9       | 23.3        |             |             | 8760  |
| Dew Point   | 12424429     | 268959     | 42.412    | 6.81  | 6343     | 47.92                              | 706.0       | 43.5        |             |             |             | 8760  |

FORM 0-26-5 (CL A) JUL 64

USAFETAC

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## PSYCHROMETRIC SUMMARY

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USAFETAC  
FORM  
E-11-44  
0 26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## PSYCHROMETRIC SUMMARY

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USAFETAC FORM 02A-5 (U)A  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
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AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

APR

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| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION F |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL |    |     |     | TOTAL |     |    |    |                 |  |
|-------------|-----------------------------------|------|------|-----|-----|-----|-----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|-----|-----|-------|-----|----|----|-----------------|--|
|             | 0                                 | 1    | 2    | 3   | 4   | 5   | 6   | 7  | 8   | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27    | 28 | 29  | 30  | DB    | WB  | C. | S. | Wet Bulb Temp F |  |
| 70/ 69      |                                   |      |      |     |     |     |     |    |     |    | .6 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 3   | 3   |       |     |    |    |                 |  |
| 68/ 67      |                                   |      |      |     |     |     |     |    |     |    |    | .2 | .4 | .6 |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 7   | 7   |       |     |    |    |                 |  |
| 66/ 65      |                                   |      |      |     |     |     |     | .6 | .4  | .6 | .2 | .4 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 11  | 11  |       |     |    |    |                 |  |
| 64/ 63      |                                   |      | .2   | .2  | .2  | .2  | .2  | .8 | .2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 9   | 9   |       |     |    |    |                 |  |
| 52/ 61      |                                   | .4   |      | .4  | 1.2 | .6  | .2  |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 14  | 14  | 2     |     |    |    |                 |  |
| 60/ 59      |                                   | .2   |      | 1.2 | .6  | 1.0 |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 15  | 15  | 5     | 1   |    |    |                 |  |
| 58/ 57      |                                   | .2   | .6   | .6  | .6  | 1.2 |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 16  | 16  | 6     | 3   |    |    |                 |  |
| 56/ 55      |                                   | .4   | 1.8  | .6  | 1.6 | .4  |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 24  | 24  | 7     |     |    |    |                 |  |
| 54/ 53      |                                   | 1.2  | .4   | 1.6 | 1.2 |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 22  | 22  | 30    | 7   |    |    |                 |  |
| 52/ 51      |                                   | .6   | 1.6  | .4  |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 13  | 13  | 30    | 5   |    |    |                 |  |
| 50/ 49      |                                   | 2.8  | 3.2  | 1.8 | 1.0 |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 44  | 44  | 21    | 26  |    |    |                 |  |
| 48/ 47      |                                   | .4   | 4.0  | 1.0 | .8  |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 46  | 46  | 46    | 23  |    |    |                 |  |
| 46/ 45      |                                   | 2.3  | 2.8  | 1.2 |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 34  | 34  | 49    | 36  |    |    |                 |  |
| 44/ 43      |                                   | 3.0  | 2.8  | .4  |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 31  | 31  | 41    | 28  |    |    |                 |  |
| 42/ 41      | .4                                | 4.2  | 6.9  |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 58  | 58  | 39    | 35  |    |    |                 |  |
| 40/ 39      |                                   | 4.8  | 5.3  |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 51  | 51  | 44    | 41  |    |    |                 |  |
| 38/ 37      |                                   | 7.1  | .4   |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 38  | 38  | 72    | 45  |    |    |                 |  |
| 36/ 35      |                                   | 5.7  | .4   |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 31  | 31  | 49    | 54  |    |    |                 |  |
| 34/ 33      | .6                                | 2.2  |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 14  | 14  | 55    | 87  |    |    |                 |  |
| 32/ 31      | .4                                | 1.6  | .6   |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 14  | 14  | 3     | 61  |    |    |                 |  |
| 30/ 29      | .2                                | 1.6  |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 9   | 9   | 14    | 12  |    |    |                 |  |
| 28/ 27      | .2                                |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 1   | 1   | 7     | 9   |    |    |                 |  |
| 26/ 25      |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    | 6  |                 |  |
| 24/ 23      |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    | 6  |                 |  |
| TOTAL       | 1.6                               | 42.4 | 30.9 | 9.3 | 7.7 | 4.4 | 1.8 | .8 | 1.2 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    | 505 | 505 | 505   | 505 |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
|             |                                   |      |      |     |     |     |     |    |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |     |     |       |     |    |    |                 |  |
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# PSYCHROMETRIC SUMMARY

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| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION F. |     |     |     |     |      |       |       |    |    |    |    |       |    |       |       |       |       |    |    |    |    |   |   |    |   |   |    | TOTAL |   | TOTAL |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   |   |    |   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|-------------|------------------------------------|-----|-----|-----|-----|------|-------|-------|----|----|----|----|-------|----|-------|-------|-------|-------|----|----|----|----|---|---|----|---|---|----|-------|---|-------|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|---|----|---|
|             | 0                                  | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15 | 16 | 17 | 18 | 19-20 | 21 | 22-23 | 24-25 | 26-27 | 28-29 | 30 | 31 | DB | WB | D | B | WB | D | B | WB | D     | B | WB    | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D | B | WB | D |

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## 4.

1. *Phragmites australis* (Cav.) Trin. ex Steud.

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# PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 66-70

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|        |  | WET BULB TEMPERATURE DEPRESSION F |         |       |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    | TOTAL |     | TOTAL |     |     |  |
|--------|--|-----------------------------------|---------|-------|-----|-----|------|-----|-----|-----|-----|----|-----|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-------|-----|-------|-----|-----|--|
| F      |  | 0                                 | 1       | 2     | 3   | 4   | 5    | 6   | 7   | 8   | 9   | 10 | 11  | 12 | 13  | 14  | 15  | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | DB    | WB  | DB    | WB  |     |  |
| 94/ 93 |  |                                   |         |       |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 3   | 3     |     |     |  |
| 90/ 83 |  |                                   |         |       |     |     |      |     |     |     |     |    |     |    |     | .1  | .1  | .4 | .6 |    |    |    |    |    |    |    |    |       | 6   | 3     |     |     |  |
| 88/ 87 |  |                                   |         |       |     |     |      |     |     |     |     |    |     |    |     |     | .7  | .3 | .1 |    |    |    |    |    |    |    |    |       | 6   | 6     |     |     |  |
| 86/ 85 |  |                                   |         |       |     |     |      |     |     |     |     |    |     |    |     | 2.0 | .3  | .4 | .1 |    |    |    |    |    |    |    |    |       | 20  | 20    |     |     |  |
| 84/ 83 |  |                                   |         |       |     |     |      |     |     |     |     |    |     | .1 | .6  | 1.0 | 1.4 | .3 | .4 |    |    |    |    |    |    |    |    |       | 27  | 27    |     |     |  |
| 82/ 81 |  |                                   |         |       |     |     |      |     |     |     |     |    | .4  | .8 | 1.6 | 2.0 | .7  |    |    |    |    |    |    |    |    |    |    |       | 39  | 39    |     |     |  |
| 80/ 79 |  |                                   |         |       |     |     |      |     |     | .3  | .8  | .6 | 1.7 | .4 | .3  |     |     |    |    |    |    |    |    |    |    |    |    |       | 29  | 29    |     |     |  |
| 78/ 77 |  |                                   |         |       |     | .1  | .3   | 1.0 | .3  | 2.3 | 2.0 | .1 |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 47  | 47    |     |     |  |
| 76/ 75 |  |                                   |         |       |     |     | .7   | .6  | 1.4 | 1.3 | .7  |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 33  | 33    | 5   |     |  |
| 74/ 73 |  |                                   |         |       |     | .6  | .8   | .4  | 1.5 | 1.0 | .1  |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 34  | 34    | 15  |     |  |
| 72/ 71 |  |                                   |         |       |     | .6  | .4   | .6  | .6  | .3  |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 17  | 17    | 22  |     |  |
| 70/ 69 |  |                                   | .1      | 1.4   | .3  | 1.4 | .8   | .7  |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 34  | 34    | 31  |     |  |
| 68/ 67 |  |                                   |         | 1.1   | 1.7 | 2.3 | 1.3  | .3  | .1  |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 48  | 48    | 51  | 22  |  |
| 66/ 65 |  |                                   | .4      | 1.6   | .8  | 1.3 | .7   | .1  | .1  |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 35  | 35    | 60  | 21  |  |
| 64/ 63 |  | .4                                | 2.4     | 1.7   | 1.3 | 1.0 | .4   | .1  |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 52  | 52    | 65  | 46  |  |
| 62/ 61 |  | .4                                | 1.8     | 1.4   | 1.3 | 1.6 | .1   |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 51  | 51    | 91  | 42  |  |
| 60/ 59 |  | .1                                | 1.7     | 2.1   | 1.6 | .4  |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 42  | 42    | 72  | 73  |  |
| 58/ 57 |  | .8                                | 2.6     | 2.3   | 2.1 |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 65  | 65    | 67  | 74  |  |
| 56/ 55 |  | .7                                | 1.1     | 1.8   | .7  | .1  |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 32  | 32    | 64  | 99  |  |
| 54/ 53 |  | 1.0                               | 2.5     | .7    | .3  |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 32  | 32    | 61  | 64  |  |
| 52/ 51 |  | .3                                | .7      | .3    |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 9   | 9     | 43  | 49  |  |
| 50/ 49 |  | .7                                | 3.4     | .4    |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 32  | 32    | 24  | 123 |  |
| 48/ 47 |  | .4                                | .6      |       |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 7   | 7     | 28  | 42  |  |
| 46/ 45 |  | .3                                | .4      |       |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 5   | 5     | 6   | 34  |  |
| 44/ 43 |  |                                   |         |       |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       |     |       | 3   | 9   |  |
| 42/ 41 |  |                                   |         |       |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       |     |       |     | 3   |  |
| 40/ 39 |  |                                   |         |       |     |     |      |     |     |     |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       |     |       |     | 2   |  |
| TOTAL  |  | 5,219                             | 114,711 | 910.6 | 7.5 | 7.9 | 11.4 | 7.8 | 2.7 | 1.3 |     |    |     |    |     |     |     |    |    |    |    |    |    |    |    |    |    |       | 708 | 708   | 708 |     |  |

| Element   | X       | X <sup>2</sup> | X           | X   | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total  |
|-----------|---------|----------------|-------------|-----|----------|------------------------------------|--------|--------|--------|--------|--------|
|           |         |                |             |     |          | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 92 F |
| Rel Hum.  | 3490625 | 47941          | 67,718,592  | 708 |          |                                    |        | 363.0  | 259.6  | 126.1  | 3.2    |
| Dry Bulb  | 3279950 | 47575          | 67,210,814  | 708 |          |                                    |        |        |        |        |        |
| Wet Bulb  | 2268274 | 42380          | 59,916,671  | 708 |          |                                    |        | 130.3  | 21.0   |        |        |
| Dew Point | 2164114 | 38920          | 55.0, 5.900 | 708 |          |                                    |        | 23.1   |        |        |        |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

1

## PSYCHROMETRIC SUMMARY

AUG

**A. 1.**

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE




| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$ | No. Obs. | Mean No. of Hrs with Temperature |                   |                   |                   |                   |                   | Total |
|-------------|--------------|------------|-----------|-------|----------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
|             |              |            |           |       |          | $\leq 0^\circ F$                 | $\leq 32^\circ F$ | $\leq 67^\circ F$ | $\leq 73^\circ F$ | $\leq 80^\circ F$ | $\leq 93^\circ F$ |       |
| Rel. Hum.   | 3708216      | 47466      | 73.418    | 7.702 | 647      |                                  |                   |                   |                   |                   |                   |       |
| Dry Bulb    | 2761612      | 41778      | 64.6      | 9.948 | 647      |                                  |                   | 318.5             | 186.3             | 56.3              |                   | 744   |
| Wet Bulb    | 2261110      | 38026      | 58.8      | 6.370 | 647      |                                  |                   | 77.0              | 2.3               |                   |                   | 744   |
| Dew Point   | 1985107      | 35463      | 54.8      | 5.746 | 647      |                                  |                   | 17.2              |                   |                   |                   | 744   |

### PSYCHROMETRIC SUMMARY

24199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

CCT

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| Temp<br>F | WET BULB TEMPERATURE DEPRESSION F |      |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL | TOTAL |
|-----------|-----------------------------------|------|------|-----|-----|------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
|           | C                                 | 1-2  | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26    | 27    |
| 72/ 71    |                                   |      |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 3     | 3     |
| 70/ 69    |                                   |      |      |     |     |      | .1    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1     | 1     |
| 68/ 67    |                                   |      |      | .4  | .1  | 1.2  | .9    |    |    |    |    |    |    |    |    |    |    |    |    |    | 18    | 18    |
| 66/ 65    |                                   |      |      |     | .4  | .3   | .3    | .1 |    |    |    |    |    |    |    |    |    |    |    |    | 8     | 8     |
| 64/ 63    |                                   |      | .3   | .7  | .9  | .1   | .3    |    |    |    |    |    |    |    |    |    |    |    |    |    | 16    | 16    |
| 62/ 61    |                                   |      | .6   | 1.0 | 1.6 | .3   | .1    |    |    |    |    |    |    |    |    |    |    |    |    |    | 25    | 25    |
| 60/ 59    |                                   | .3   | 2.2  | 1.9 | .1  | .3   |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 33    | 33    |
| 58/ 57    | .3                                | 1.5  | 1.6  | 1.0 | 1.0 |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 37    | 37    |
| 56/ 55    | .1                                | 1.6  | 1.3  | 1.0 | 1.9 | .3   |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 43    | 43    |
| 54/ 53    | 1.2                               | 4.5  | 2.1  | 1.6 | .6  | .3   |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 69    | 69    |
| 52/ 51    | .7                                | 3.5  | 3.3  | .6  |     | .1   |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 56    | 56    |
| 50/ 49    | 4.0                               | 3.1  | 2.2  | 1.2 | .7  | .1   |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 77    | 77    |
| 48/ 47    | 1.8                               | 2.7  | 1.2  | .3  |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 40    | 40    |
| 46/ 45    | 2.1                               | 1.6  |      | .9  |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 31    | 31    |
| 44/ 43    | 1.0                               | 2.4  | .3   | .9  |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 31    | 31    |
| 42/ 41    | 1.8                               | 4.0  | 1.2  |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 47    | 47    |
| 40/ 39    | 2.7                               | 3.0  | .3   |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 40    | 40    |
| 38/ 37    | 3.9                               | 1.0  |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 33    | 33    |
| 36/ 35    | 3.1                               | .7   |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 26    | 26    |
| 34/ 33    | 1.5                               | .4   |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 13    | 13    |
| 32/ 31    | 2.4                               |      |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 16    | 16    |
| 30/ 29    | .7                                | .1   |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 6     | 6     |
| 28/ 27    | .3                                |      |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 2     | 2     |
| 26/ 25    | .1                                | .1   |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 2     | 2     |
| 24/ 23    |                                   | .1   |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    | 1     | 1     |
| 22/ 21    |                                   |      |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
| 20/ 19    |                                   |      |      |     |     |      |       |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
| TOTAL     | 27.73                             | 0.91 | 7.11 | 1.9 | 8.6 | 2.8  | .9    | .1 |    |    |    |    |    |    |    |    |    |    |    |    | 674   | 674   |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $s_x$ | No Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------------|------------|-----------|-------|---------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 4902910      | 56590      | 84.315    | 0.05  | 674     | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 70 F | ≤ 80 F | ≤ 93 F | 744   |
| Dry Bulb    | 1678349      | 33057      | 49.2      | 9.20  | 674     |                                    | 29.8   | 24.3   |        |        |        | 744   |
| Wet Bulb    | 1488002      | 31256      | 46.4      | 7.567 | 674     |                                    | 29.8   |        |        |        |        | 744   |
| Dew Point   | 1334079      | 29593      | 43.9      | 7.186 | 674     |                                    | 50.8   |        |        |        |        | 744   |

FORM 0-26-5 (01-2) REPRODUCED BY THE AIR FORCE OFFICE

USAF ETAC

34199 SIEGENBURG GERMANY GALLERY RANGE 68-72

**SECRET**

USAFETAC 164M 0.26.5 (Q1 A) PRINTED MATERIALS SECTION OF THE FORM AT OFFICE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

DEC

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|        |  | WET BULB TEMPERATURE DEPRESSION |          |      |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL | TOTAL |
|--------|--|---------------------------------|----------|------|-----|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-------|
|        |  | 1                               | 2        | 3    | 4   | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25    | 26    |
| 50/ 49 |  |                                 |          |      | 1.2 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1     | 1     |
| 48/ 47 |  |                                 |          |      | 1.1 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4     | 4     |
| 46/ 45 |  |                                 |          | 1.2  | 1.2 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 5     | 6     |
| 44/ 43 |  |                                 |          | 1.7  | 1.7 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3     | 5     |
| 42/ 41 |  |                                 |          | 2.2  | 1.1 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 13    | 13    |
| 40/ 39 |  |                                 |          | 1.5  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2     | 2     |
| 38/ 37 |  |                                 |          | 1.4  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6     | 6     |
| 36/ 35 |  |                                 | 1.7      | 3.1  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 13    | 13    |
| 34/ 33 |  |                                 | 2.9      | 3.6  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 27    | 27    |
| 32/ 31 |  |                                 | 3.4      | 14.9 |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 98    | 98    |
| 30/ 29 |  |                                 | 6.5      | 8.2  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 52    | 60    |
| 28/ 27 |  |                                 | 4.8      | 2.6  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 32    | 33    |
| 26/ 25 |  |                                 | 1.9      | 4.3  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 26    | 27    |
| 24/ 23 |  |                                 | 1.0      | 8.4  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 39    | 39    |
| 22/ 21 |  |                                 | 1.2      | 1.7  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4     | 4     |
| 20/ 19 |  |                                 | 1.2      | 1.7  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 9     | 10    |
| 18/ 17 |  |                                 | 1.4      | 1.4  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 13    | 12    |
| 16/ 15 |  |                                 | 2.9      |      |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 12    | 16    |
| 14/ 13 |  |                                 | 1.0      | 1.2  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 9     | 9     |
| 12/ 11 |  |                                 | 1.7      | 1.2  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4     | 4     |
| 10/ 9  |  |                                 | 1.7      | 1.2  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4     | 4     |
| 8/ 7   |  |                                 | 1.2      |      |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1     | 1     |
| 6/ 5   |  |                                 | 1.0      | 1.7  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 7     | 7     |
| 4/ 3   |  |                                 |          | 1.7  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3     | 3     |
| 2/ 1   |  |                                 | 1.2      | 1.2  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2     | 2     |
| 0/ =1  |  |                                 | 1.0      |      |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4     | 4     |
| =2/ =3 |  |                                 |          |      |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
| =4/ =5 |  |                                 | 1.4      |      |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6     | 6     |
| =6/ =7 |  |                                 |          |      |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |       |
| TOTAL  |  |                                 | 36,256.3 | 5.3  |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 416   | 417   |

| Element   | X | Σx      | Σx <sup>2</sup> | Σx <sup>3</sup> | No Obs | Mean No. of Hours with Temperature | Σx   | Σx <sup>2</sup> | Σx <sup>3</sup> |
|-----------|---|---------|-----------------|-----------------|--------|------------------------------------|------|-----------------|-----------------|
| Rel Hum   |   | 3287371 | 36797           | 85.5            | 8,852  | 416                                | 17,8 | 599,3           | 744             |
| Wet Bulb  |   | 348539  | 11389           | 27.3            | 9,493  | 416                                | 17,9 | 604,5           | 744             |
| Wet Bulb  |   | 326351  | 11015           | 25.5            | 9,143  | 416                                | 32,2 | 624,6           | 744             |
| Dew Point |   | 285470  | 10102           | 24.3            | 9,837  | 416                                |      |                 |                 |

USAF ETAC FORM 0-20-5 (OL A) REVISED REVISIONS INDICATED BY THIS FORM ARE OBSOLETE

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USAFETAC

### PSYCHROMETRIC SUMMARY

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DATA PROCESSING DIVISION  
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# PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

FEB

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| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|-------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|----------|----------|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|             | 0                                   | 1-2  | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | DB - WB | Dry Bulb | Wet Bulb | Dep - P |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41      |                                     | 2.7  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3       | 3        |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39      |                                     | 8.1  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3       | 9        | 7        |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37      |                                     | 2.7  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3       | 3        | 7        | 9       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35      |                                     | 7.2  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 8       | 8        | 4        | 6       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33      | 1.8                                 | 6.3  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 9       | 9        | 13       | 5       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31      | 5.4                                 | 7.2  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 14      | 14       | 7        | 17      |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29      | 2.7                                 | 5.4  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 9       | 9        | 14       | 9       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27      | 5.4                                 | 2.7  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 9       | 9        | 11       | 6       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25      | 3.6                                 |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 4       | 4        | 5        | 8       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23      | 10.8                                | 2.7  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 15      | 15       | 12       | 10      |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21      | 2.7                                 | 1.8  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 5       | 5        | 7        | 10      |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19      | 4.5                                 | 2.7  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 8       | 8        | 8        | 8       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          | 1        | 5       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15      |                                     | .9   |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 1       | 1        | 1        | 3       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13      | 2.7                                 | .9   |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 4       | 4        | 4        | 2       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11      | 4.5                                 |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 5       | 5        | 5        | 5       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9       | 1.8                                 |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 2       | 2        | 2        | 3       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7        |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          | 2       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 5        | 2.7                                 |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3       | 3        | 3        | 2       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 3        |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          | 1       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 1        |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          | 1       |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL       | 49.5                                | 50.5 |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 111     | 111      | 111      | 111     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 111     |          |          | 111     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |         |          |          |         |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

PAGE 1 0900-1100

[illegible]

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## PSYCHROMETRIC SUMMARY

332

1200-1400

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

22

PAGE 1 1500-1700

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25

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**D-26.5 (OL A)**

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## PSYCHROMETRIC SUMMARY

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34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

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**USAFETAC** FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## PSYCHROMETRIC SUMMARY

43

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**USAFETAC**  
FROM  
JUL 68  
**0.26-5 (OL A)**  
STANDARD PLANNING TECHNIQUE OF THE FORM AND OBJECTIVE

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USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PAGE 1 1200-1400

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USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC  
FORM 0-26.5 (OL A)  
JUL 64  
REVISED VERSION 5 EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

444

PAGE 1 0600-0900

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## PSYCHROMETRIC SUMMARY

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FORM 0-26-5 (01 A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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PAGE 1 1200-1400

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Y. A. P. S.

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JSAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY

PAGE 1 1800-2000

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## PSYCHROMETRIC SUMMARY

PAGE 1 0300-0500

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  | TOTAL |  | TOTAL |  |
|-------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|-------|-------|---|--|--|--|--|--|-------|--|-------|--|
|             | 0                                   | 1-2  | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | DB-WB | Dry Bulb | Wet Bulb | Total | Total |   |  |  |  |  |  |       |  |       |  |
| 50/ 49      |                                     | 80.0 |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       | 4        | 4        |       |       |   |  |  |  |  |  |       |  |       |  |
| 48/ 47      |                                     | 20.0 |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 1        | 4     |       | 2 |  |  |  |  |  |       |  |       |  |
| 46/ 43      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          | 1     |       | 2 |  |  |  |  |  |       |  |       |  |
| 44/ 43      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       | 1 |  |  |  |  |  |       |  |       |  |
| TOTAL       |                                     | 0    |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       | 5        | 5        | 5     |       | 5 |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
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|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
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|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
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|             |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |       |       |   |  |  |  |  |  |       |  |       |  |
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|             | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | 33-34 | 35-36 | 37-38 | 39-40 | 41-42 | 43-44 | 45-46 | 47-48 | 49-50 | 51-52 | 53-54 | 55-56 | 57-58 | 59-60 | 61-62 | 63-64 | 65-66 | 67-68 | 69-70 | 71-72 | 73-74 | 75-76 | 77-78 | 79-80 | 81-82 | 83-84 | 85-86 | 87-88 | 89-90 | 91-92 | 93-94 | 95-96 | 97-98 | 99-100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 94/ 99      |                                     |     |     |     |     |      |       |       |       | 2.2   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

USAFETAC FORM 0.26.5 (01 A) REVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|----|-------|-------|-------|----|----|--------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|--|--|-------|--|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23 | 24-25 | 26-27 | 28-29 | 30 | 31 | DS = 8 | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 76/ 75       |                                     |      |      |     | .6  |      |       |       |       |       |       |       |    |       |       |       |    |    | 1      | 1        |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 70/ 69       |                                     |      | .6   |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 1      | 1        | 1        |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 68/ 67       |                                     |      | 2.6  |     | .6  |      |       |       |       |       |       |       |    |       |       |       |    |    | 6      | 6        |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 66/ 65       |                                     | 1.1  | .6   |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 3      | 3        | 1        | 1         |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 64/ 63       |                                     | 2.2  | 2.2  |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 8      | 8        | 7        | 4         |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 62/ 61       | 1.1                                 | 3.9  | 2.2  | 1.1 | .6  |      |       |       |       |       |       |       |    |       |       |       |    |    | 16     | 16       | 12       | 8         |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 60/ 59       | 1.1                                 | 2.2  | 2.2  | 1.1 |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 12     | 12       | 12       | 12        |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 58/ 57       | 6.1                                 | 9.4  | 1.7  | 1.1 | .6  |      |       |       |       |       |       |       |    |       |       |       |    |    | 34     | 34       | 27       | 20        |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 56/ 55       | 5.6                                 | 5.6  | 2.8  |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 25     | 25       | 28       | 29        |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 54/ 53       | 1.7                                 | 6.7  | 1.7  |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 18     | 18       | 24       | 17        |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 52/ 51       | 3.9                                 | 1.7  | 3.2  |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 16     | 16       | 16       | 18        |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 50/ 49       | 4.4                                 | 7.8  | .6   |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 23     | 23       | 23       | 31        |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 48/ 47       | 1.7                                 | 1.1  | .6   |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 6      | 6        | 15       | 15        |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 46/ 45       | .6                                  | 1.1  | .6   |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 4      | 4        | 3        | 11        |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 44/ 43       | .6                                  | 1.1  |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 3      | 3        | 5        | 5         |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 42/ 41       | .6                                  | 1.1  |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 3      | 3        | 3        | 3         |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 40/ 39       |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          | 2        | 2         |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 38/ 37       | .6                                  |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 1      | 1        | 1        | 3         |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| 36/ 35       |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          | 1        | 1         |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
| TOTAL        | 27.8                                | 45.0 | 21.7 | 3.9 | 1.7 |      |       |       |       |       |       |       |    |       |       |       |    |    | 180    | 180      | 180      | 180       |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    | 180    |          | 180      |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |    |       |       |       |    |    |        |          |          |           |  |  |  |  |  |  |  |  |  |       |  |  |  |       |  |  |  |

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## PSYCHROMETRIC SUMMARY

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DATA PROCESSING DIVISION  
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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | TOTAL    |          |          |          | TOTAL    |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
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|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23 | 24-25 | 26-27 | 28-29 | 30 | 31-32 | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. W.B. | DB. 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| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION °F |     |      |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       |         |         |         |         |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|-------------|------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|----|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|--|--|--|--|--|--|-------|--|-------|--|
|             | 0                                  | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21 | 22-23 | 24-25 | 26-27 | 28-29 | 30-31 | 32-33 | DB - WB | WB - DP | WB - DB | WB - DP |  |  |  |  |  |  |       |  |       |  |
| 78/ 77      |                                    |     |      |      |      |      |       | .5    | .5    |       |       |    |       |       |       |       |       |       | 2       | 2       |         |         |  |  |  |  |  |  |       |  |       |  |
| 76/ 75      |                                    |     |      |      |      | .5   |       | 1.6   | 1.1   |       |       |    |       |       |       |       |       |       | 6       | 6       |         |         |  |  |  |  |  |  |       |  |       |  |
| 74/ 73      |                                    |     |      | 1.6  | .5   | 1.6  | 2.2   | 1.6   |       |       |       |    |       |       |       |       |       |       | 14      | 14      |         |         |  |  |  |  |  |  |       |  |       |  |
| 72/ 71      |                                    |     | .5   |      | 1.6  | 1.1  | 3.2   | 1.1   |       |       |       |    |       |       |       |       |       |       | 14      | 14      |         |         |  |  |  |  |  |  |       |  |       |  |
| 70/ 69      |                                    |     |      | .5   | 3.8  | 2.7  | 1.6   |       |       |       |       |    |       |       |       |       |       |       | 16      | 16      | 2       |         |  |  |  |  |  |  |       |  |       |  |
| 68/ 67      |                                    | 1.1 | 1.1  | 2.2  | 1.6  | 5.4  | .5    | .5    |       |       |       |    |       |       |       |       |       |       | 23      | 23      | 3       | 2       |  |  |  |  |  |  |       |  |       |  |
| 66/ 65      |                                    |     | .5   | 3.2  | 2.2  | 4.9  | 1.1   |       |       |       |       |    |       |       |       |       |       |       | 22      | 22      | 7       | 4       |  |  |  |  |  |  |       |  |       |  |
| 64/ 63      |                                    | .5  | 1.6  | 3.2  | 2.7  | 2.7  | .5    |       |       |       |       |    |       |       |       |       |       |       | 21      | 21      | 16      | 2       |  |  |  |  |  |  |       |  |       |  |
| 62/ 61      | .5                                 | 1.1 | 2.2  | 1.1  | 3.8  | 1.1  | 1.6   |       |       |       |       |    |       |       |       |       |       |       | 21      | 21      | 24      | 4       |  |  |  |  |  |  |       |  |       |  |
| 60/ 59      | .5                                 | .5  | 1.6  | 1.1  | 2.2  | 1.1  |       |       |       |       |       |    |       |       |       |       |       |       | 13      | 13      | 29      | 11      |  |  |  |  |  |  |       |  |       |  |
| 58/ 57      |                                    |     |      | 3.2  | 2.7  | 3.2  |       |       |       |       |       |    |       |       |       |       |       |       | 17      | 17      | 25      | 12      |  |  |  |  |  |  |       |  |       |  |
| 56/ 55      |                                    | 1.1 | 2.2  | .5   | .5   |      |       |       |       |       |       |    |       |       |       |       |       |       | 8       | 8       | 27      | 11      |  |  |  |  |  |  |       |  |       |  |
| 54/ 53      | .5                                 | .5  | .5   | .5   |      |      |       |       |       |       |       |    |       |       |       |       |       |       | 4       | 4       | 22      | 31      |  |  |  |  |  |  |       |  |       |  |
| 52/ 51      |                                    |     | 1.1  |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       | 2       | 2       | 18      | 11      |  |  |  |  |  |  |       |  |       |  |
| 50/ 49      |                                    |     | .5   |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       | 1       | 1       | 8       | 46      |  |  |  |  |  |  |       |  |       |  |
| 48/ 47      |                                    |     |      |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       |         |         | 3       | 14      |  |  |  |  |  |  |       |  |       |  |
| 46/ 45      |                                    |     | .5   |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       | 1       | 1       | 1       | 15      |  |  |  |  |  |  |       |  |       |  |
| 44/ 43      |                                    |     |      |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       |         |         |         | 5       |  |  |  |  |  |  |       |  |       |  |
| 42/ 41      |                                    |     |      |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       |         |         | 1       | 4       |  |  |  |  |  |  |       |  |       |  |
| 40/ 39      |                                    |     |      |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       |         |         |         | 6       |  |  |  |  |  |  |       |  |       |  |
| 38/ 37      |                                    |     |      |      |      |      |       |       |       |       |       |    |       |       |       |       |       |       |         |         |         | 1       |  |  |  |  |  |  |       |  |       |  |
| TOTAL       | 1.6                                | 4.9 | 15.7 | 16.8 | 22.7 | 20.5 | 13.0  | 4.9   |       |       |       |    |       |       |       |       |       |       | 185     | 185     |         | 185     |  |  |  |  |  |  |       |  |       |  |

| Element (X) | Σx²    | Σx    | X̄   | s²     | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|--------|-------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 794177 | 11873 | 64.2 | 13.226 | 185      | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 783093 | 11983 | 64.8 | 6.132  | 185      |                                    |        | 36.5   | 10.7   |        |        | 90    |
| Wet Bulb    | 615281 | 10631 | 57.5 | 4.875  | 185      |                                    |        | 2.4    |        |        |        | 90    |
| Dew Point   | 503594 | 9592  | 51.8 | 5.834  | 185      |                                    |        | 1.0    |        |        |        | 90    |

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| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | TOTAL<br>DB-WB |       | TOTAL<br>DB-B |    | TOTAL<br>WB-B |  | TOTAL<br>WB-P |  |
|-------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|---------------|----|---------------|--|---------------|--|
|             | 0                                   | 1-2 | 3-4 | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | 33-34 | 35-36 | 37-38 | 39-40 | 41-42 | 43-44 | 45-46 | 47-48 | 49-50 | 51-52 | 53-54 | 55-56 | 57-58 | 59-60 | 61-62 | 63-64 | 65-66          | 67-68 | 69-70         |    |               |  |               |  |
| 78/ 77      |                                     |     |     |     |      |      | .8    | 2.5   |       | .8    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 5              | 5     |               |    |               |  |               |  |
| 76/ 75      |                                     |     |     | 1.7 |      |      |       |       |       | 1.7   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 4              | 4     |               |    |               |  |               |  |
| 74/ 73      |                                     |     |     |     |      |      | 1.7   | 5.9   | 5.1   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 15    | 15             |       |               |    |               |  |               |  |
| 72/ 71      |                                     |     |     | 1.7 | .8   |      |       | 3.4   | .8    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     | 3              |       |               |    |               |  |               |  |
| 70/ 69      |                                     |     |     |     | .8   | 3.4  | .8    | 3.4   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 10    | 10             |       | 2             |    |               |  |               |  |
| 68/ 67      |                                     | .8  |     |     | .8   | 5.1  | 7.6   |       | 1.7   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 19    | 19             |       | 2             |    |               |  |               |  |
| 66/ 65      |                                     | .8  |     | 2.5 |      | 1.7  | 3.4   | 1.7   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 12    | 12             |       | 5             |    |               |  |               |  |
| 64/ 63      |                                     |     | .8  |     |      | 3.4  | 4.2   | 2.5   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 13    | 13             |       | 9             |    |               |  |               |  |
| 62/ 61      |                                     | .5  | .8  | 1.7 | 1.7  | 2.5  | 2.5   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 12    | 12             |       | 15            |    |               |  |               |  |
| 60/ 59      | .8                                  | 1.7 | .8  | 3.4 | 1.7  | 1.7  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 12    | 12             |       | 23            |    |               |  |               |  |
| 58/ 57      |                                     |     | .8  | 4.2 |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 6              | 6     |               | 19 |               |  |               |  |
| 56/ 55      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |       |               | 13 | 9             |  |               |  |
| 54/ 53      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |       |               | 16 | 17            |  |               |  |
| 52/ 51      |                                     |     | .8  |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1              | 1     |               | 7  |               |  |               |  |
| 50/ 49      |                                     |     | .8  |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1              | 1     |               | 4  |               |  |               |  |
| 48/ 47      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |       |               | 2  | 8             |  |               |  |
| 46/ 45      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |       |               | 6  |               |  |               |  |
| 44/ 43      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |       |               | 7  |               |  |               |  |
| 42/ 41      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |       |               | 5  |               |  |               |  |
| 40/ 39      |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                |       |               | 4  |               |  |               |  |
| TOTAL       |                                     | .8  | 4.2 | 5.1 | 16.9 | 17.8 | 22.9  | 22.0  | 10.2  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 118            |       | 118           |    |               |  |               |  |

| Element (X) | $\sum X^2$ | $\sum X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |             |             |             |             | Total       |
|-------------|------------|----------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Rel. Hum.   | 438547     | 7025     | 59.5      | 13.179     | 118      | $\leq 0 F$                         | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ |
| Dry Bulb    | 527065     | 7837     | 66.6      | 5.780      | 118      |                                    |             | 46.5        | 18.3        |             | 90          |
| Wet Bulb    | 399508     | 6844     | 58.0      | 4.674      | 118      |                                    |             | 3.1         |             |             | 90          |
| Dew Point   | 316955     | 6075     | 51.5      | 5.988      | 118      |                                    |             | .8          |             |             | 90          |

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| Temp<br>F | WET BULB TEMPERATURE DEPRESSION F |   |    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    | TOTAL |    | TOTAL |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 54/ 53      |                                     |      |      | .8  |     |      |       |       |       |       |       |       |       |       |       |       |    | 1  |    |          |          |           |  | 1   |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
| 50/ 49      |                                     |      | 1.7  |     | 1.7 |      |       |       |       |       |       |       |       |       |       |       |    | 4  |    |          |          |           |  | 4   |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
| 48/ 47      | .8                                  |      | 4.1  |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 7  |    |          |          |           |  | 7   |  | 3   | 1   |  |  |  |  |       |  |  |  |       |  |  |  |
| 46/ 45      |                                     | 5.0  | 3.3  | .8  |     |      |       |       |       |       |       |       |       |       |       |       |    | 11 |    |          |          |           |  | 11  |  | 3   |     |  |  |  |  |       |  |  |  |       |  |  |  |
| 44/ 43      | .8                                  | 5.8  | 2.5  | .8  |     |      |       |       |       |       |       |       |       |       |       |       |    | 12 |    |          |          |           |  | 12  |  | 10  | 5   |  |  |  |  |       |  |  |  |       |  |  |  |
| 42/ 41      | 5.0                                 | 6.6  | 1.7  |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 16 |    |          |          |           |  | 16  |  | 25  | 18  |  |  |  |  |       |  |  |  |       |  |  |  |
| 40/ 39      | 1.7                                 | 5.8  | .8   |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 10 |    |          |          |           |  | 10  |  | 9   | 10  |  |  |  |  |       |  |  |  |       |  |  |  |
| 38/ 37      | 1.7                                 | 3.3  |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 6  |    |          |          |           |  | 6   |  | 12  | 15  |  |  |  |  |       |  |  |  |       |  |  |  |
| 36/ 35      | .8                                  | 8.3  | 3.3  |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 15 |    |          |          |           |  | 15  |  | 5   | 9   |  |  |  |  |       |  |  |  |       |  |  |  |
| 34/ 33      | 6.6                                 | 5.8  |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 15 |    |          |          |           |  | 15  |  | 23  | 14  |  |  |  |  |       |  |  |  |       |  |  |  |
| 32/ 31      | 4.1                                 | 3.3  |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 9  |    |          |          |           |  | 9   |  | 11  | 22  |  |  |  |  |       |  |  |  |       |  |  |  |
| 30/ 29      | 4.1                                 | 3.3  |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 9  |    |          |          |           |  | 9   |  | 11  | 12  |  |  |  |  |       |  |  |  |       |  |  |  |
| 28/ 27      | .8                                  | 1.7  |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 3  |    |          |          |           |  | 3   |  | 2   | 7   |  |  |  |  |       |  |  |  |       |  |  |  |
| 26/ 25      | 1.7                                 | .8   |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 3  |    |          |          |           |  | 3   |  | 5   | 2   |  |  |  |  |       |  |  |  |       |  |  |  |
| 24/ 23      |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     | 2   |  |  |  |  |       |  |  |  |       |  |  |  |
| 22/ 21      |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     | 2   |  |  |  |  |       |  |  |  |       |  |  |  |
| 20/ 19      |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     | 1   |  |  |  |  |       |  |  |  |       |  |  |  |
| TOTAL       | 28.1                                | 49.6 | 17.4 | 2.5 | 2.5 |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  | 121 |  | 121 | 121 |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  | 121 |  | 121 |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |
|             |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |    |    |          |          |           |  |     |  |     |     |  |  |  |  |       |  |  |  |       |  |  |  |

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STATION

STATION NAME

YFAG<sup>2</sup>

PAGE 1 1200-1400

JSAFETAC FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       |        |          |          |           |    |  |  |  |  |  |  |  | TOTAL |  |  | TOTAL |  |  |
|--------------|-------------------------------------|------|------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|----|-------|----|-------|--------|----------|----------|-----------|----|--|--|--|--|--|--|--|-------|--|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27 | 28-29 | 30 | 31-32 | DB. WB | Dry Bulb | Wet Bulb | Dew Point |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 58/ 57       |                                     |      |      |     | 4.1  |      |       |       |       |       |       |       |       |       |    |       |    |       | 2      |          | 2        |           |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 52/ 51       |                                     |      |      |     | 6.1  |      |       |       |       |       |       |       |       |       |    |       |    |       | 3      |          | 3        |           |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 50/ 49       |                                     | 4.1  | 8.2  | 2.0 |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 7      |          | 7        | 2         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 48/ 47       |                                     |      | 6.1  | 2.0 |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 4      |          | 4        | 3         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 46/ 45       |                                     | 10.2 | 8.2  | 4.1 |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 11     |          | 11       | 6         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 44/ 43       |                                     | 10.2 |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 5      |          | 5        | 13        |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 42/ 41       | 2.0                                 | 2.0  | 6.1  |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 5      |          | 5        | 7         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 40/ 39       |                                     | 2.0  |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 1      |          | 1        | 3         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 38/ 37       |                                     | 2.0  |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 1      |          | 1        | 4         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 36/ 35       |                                     | 8.2  |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 4      |          | 4        | 1         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 34/ 33       | 2.0                                 |      |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 1      |          | 1        | 5         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 32/ 31       |                                     | 2.0  | 2.0  |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 2      |          | 2        | 7         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 30/ 29       |                                     | 4.1  | 2.0  |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       | 3      |          | 3        | 3         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 28/ 27       |                                     |      |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       |        |          |          | 1         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 26/ 25       |                                     |      |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       |        |          |          | 1         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 22/ 21       |                                     |      |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       |        |          |          | 1         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| 20/ 19       |                                     |      |      |     |      |      |       |       |       |       |       |       |       |       |    |       |    |       |        |          |          | 1         |    |  |  |  |  |  |  |  |       |  |  |       |  |  |
| TOTAL        | 4.1                                 | 44.9 | 32.7 | 8.2 | 10.2 |      |       |       |       |       |       |       |       |       |    |       |    |       |        | 49       |          | 49        | 49 |  |  |  |  |  |  |  |       |  |  |       |  |  |

| Element (X) | $\Sigma x^1$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |                   |                   |                   |                   |                   | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| Rel. Hum.   | 293475       | 3753       | 76.61     | 1.204      | 49       | $\leq 0^\circ F$                   | $\leq 32^\circ F$ | $\leq 67^\circ F$ | $\leq 73^\circ F$ | $\leq 80^\circ F$ | $\geq 93^\circ F$ |       |
| Dry Bulb    | 95273        | 2133       | 43.6      | 6.543      | 49       |                                    | 9.2               |                   |                   |                   |                   | 90    |
| Wet Bulb    | 81632        | 1980       | 40.4      | 5.816      | 49       |                                    | 9.2               |                   |                   |                   |                   | 90    |
| Dew Point   | 66647        | 1755       | 36.4      | 5.813      | 49       |                                    | 22.0              |                   |                   |                   |                   | 90    |

## PSYCHROMETRIC SUMMARY

22C

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| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|-------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|
|             | 0                                   | 1-2  | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | DB-WB | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45      |                                     |      | .7  |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 1     | 1        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43      |                                     | .7   | .7  |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 2     | 2        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41      |                                     | 3.6  | .7  |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 6     | 6        |          | 3         |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          | 3         |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          | 1         |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33      | 2.1                                 | 1.4  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 5     | 5        | 5        | 2         |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31      | 11.4                                | 16.4 |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 39    | 39       | 25       | 19        |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29      | 9.3                                 | 6.4  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 22    | 22       | 33       | 26        |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27      | 5.7                                 | 2.1  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 11    | 11       | 12       | 18        |  |  |  |  |  |  |  |       |  |       |  |
| 25/ 25      | 2.1                                 | 3.6  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 8     | 8        | 6        | 10        |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23      | 1.4                                 | 5.7  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 10    | 10       | 8        | 3         |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21      | .7                                  |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 1     | 1        | 7        | 12        |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19      | .7                                  | 1.4  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3     | 3        | 2        | 6         |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17      | 2.1                                 | 1.4  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 5     | 5        | 6        | 1         |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15      | 3.6                                 |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 5     | 5        | 5        | 6         |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13      | .7                                  | 1.4  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3     | 3        | 2        | 6         |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11      | 1.4                                 | .7   |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3     | 3        | 3        | 1         |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9       | 1.4                                 | .7   |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3     | 3        | 4        | 4         |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7        |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          | 2         |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 5        | .7                                  | 1.4  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3     | 3        | 1        | 2         |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 3        |                                     | .7   |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 1     | 1        | 3        | 1         |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 1        | .7                                  | .7   |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 2     | 2        | 2        |           |  |  |  |  |  |  |  |       |  |       |  |
| 0/ -1       | 2.9                                 |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 4     | 4        | 4        |           |  |  |  |  |  |  |  |       |  |       |  |
| -4/ -3      | 2.1                                 |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 3     | 3        | 3        | 10        |  |  |  |  |  |  |  |       |  |       |  |
| -6/ -7      |                                     |      |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |          |          | 2         |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL       | 49.3                                | 48.6 | 2.1 |     |     |      |       |       |       |       |       |       |       |       |       |       |       | 140   | 140      | 140      | 140       |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x$  | No. Obs. | Mean No. of Hours with Temperature |                         |                         |                         |                         |                         | Total |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------|
|             |              |            |           |        |          | $\leq 0^\circ\text{F}$             | $\leq 32^\circ\text{F}$ | $\leq 67^\circ\text{F}$ | $\leq 73^\circ\text{F}$ | $\leq 80^\circ\text{F}$ | $\leq 93^\circ\text{F}$ |       |
| Rel. Hum.   | 1152794      | 12658      | 90.4      | 7.741  | 140      |                                    |                         |                         |                         |                         |                         |       |
| Dry Bulb    | 103758       | 3516       | 25.1      | 10.545 | 140      | 4.7                                | 83.7                    |                         |                         |                         |                         | 93    |
| Wet Bulb    | 99156        | 3436       | 24.5      | 10.328 | 140      | 4.7                                | 83.7                    |                         |                         |                         |                         | 93    |
| Dew Point   | 89454        | 3174       | 22.7      | 11.228 | 140      | 8.0                                | 85.7                    |                         |                         |                         |                         | 93    |

ILLUSTRATIONS BY MICHAEL S. GORDON

### 0.26.5 {OL-A}

000000

**USAFETAC**

1

SECRET

252

S'A' CH NAME

USAFETAC FORM 0.26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**1**

22

34199  
5' 4" 0"

68-70

00-1400

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.24.5 {OL A}

FORM 1041 64

**USAFETAC**

## PSYCHROMETRIC SUMMARY

200

PAGE 1 1500-1700

| Temp<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       |         |          |          |           |  |  | TOTAL |  | TOTAL |  |
|-------------|-------------------------------------|------|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|----|-------|-------|-------|----|-------|---------|----------|----------|-----------|--|--|-------|--|-------|--|
|             | 0                                   | 1-2  | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23 | 24-25 | 26-27 | 28-29 | 30 | 31-32 | DB - WB | Dry Bulb | Wet Bulb | Dew Point |  |  |       |  |       |  |
| 48/ 47      |                                     |      | 4.3 |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 1       | 1        |          | 1         |  |  |       |  |       |  |
| 46/ 45      |                                     |      | 4.3 |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 1       | 1        |          | 1         |  |  |       |  |       |  |
| 44/ 43      |                                     |      |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       |         |          |          | 1         |  |  |       |  |       |  |
| 42/ 41      |                                     |      |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       |         |          |          | 1         |  |  |       |  |       |  |
| 40/ 39      |                                     |      | 4.3 |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 1       | 1        |          |           |  |  |       |  |       |  |
| 38/ 37      |                                     |      | 4.3 |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 1       | 1        | 1        | 2         |  |  |       |  |       |  |
| 36/ 35      | 4.3                                 | 8.7  |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 3       | 3        | 2        | 2         |  |  |       |  |       |  |
| 34/ 33      |                                     | 4.3  |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 1       | 1        | 3        | 1         |  |  |       |  |       |  |
| 32/ 31      |                                     | 13.0 |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 3       | 3        | 1        | 1         |  |  |       |  |       |  |
| 30/ 29      |                                     | 8.7  |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 2       | 2        | 3        | 3         |  |  |       |  |       |  |
| 28/ 27      |                                     | 4.3  | 4.3 |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 2       | 2        | 1        | 1         |  |  |       |  |       |  |
| 26/ 25      |                                     | 4.3  |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 1       | 1        | 2        | 2         |  |  |       |  |       |  |
| 24/ 23      |                                     | 26.1 |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 6       | 6        | 3        | 2         |  |  |       |  |       |  |
| 22/ 21      |                                     |      |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       |         |          | 4        | 3         |  |  |       |  |       |  |
| 20/ 19      |                                     |      |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       |         |          |          | 3         |  |  |       |  |       |  |
| 18/ 17      | 4.3                                 |      |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 1       | 1        | 1        | 1         |  |  |       |  |       |  |
| 16/ 15      |                                     |      |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       |         |          |          | 1         |  |  |       |  |       |  |
| 14/ 13      |                                     |      |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       |         |          |          | 1         |  |  |       |  |       |  |
| TOTAL       | 8.776                               | 33.0 |     |     |     |      |       |       |       |       |       |       |    |       |       |       |    |       | 23      | 23       | 23       | 23        |  |  |       |  |       |  |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $s_x^2$ | No. Obs. | Mean No. of Hours with Temperature |                   |                   |                   |                   |                   | Total |
|-------------|--------------|------------|-----------|---------|----------|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|
| Rel. Hum.   | 159464       | 1906       | 82.9      | 8.297   | 23       | $\leq 0^\circ F$                   | $\leq 32^\circ F$ | $\leq 67^\circ F$ | $\leq 73^\circ F$ | $\leq 80^\circ F$ | $\leq 93^\circ F$ |       |
| Dry Bulb    | 22672        | 702        | 30.5      | 7.525   | 23       |                                    | 60.7              |                   |                   |                   |                   | 93    |
| Wet Bulb    | 20316        | 666        | 29.0      | 6.846   | 23       |                                    | 60.7              |                   |                   |                   |                   | 93    |
| Dew Point   | 16460        | 596        | 25.8      | 7.133   | 23       |                                    | 72.8              |                   |                   |                   |                   | 93    |

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# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

| STATION   | STATION NAME | YEAR | JAN   | FEB   | MAR   | APR    | MAY    | JUN    | JUL    | AUG   | SEP    | OCT   | NOV   | DEC    | ANNUAL |
|-----------|--------------|------|-------|-------|-------|--------|--------|--------|--------|-------|--------|-------|-------|--------|--------|
| 03-05     |              |      |       |       |       |        |        | 49.4   |        |       |        |       |       |        | 49.4   |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      |       |       |       |        |        | .894   |        |       |        |       |       |        | .894   |
|           | TOTAL OBS    |      |       |       |       |        |        | 5      |        |       |        |       |       |        | 5      |
| 06-08     |              |      | 25.2  | 26.9  | 30.6  | 40.3   | 48.6   | 56.6   | 58.1   | 55.5  | 48.3   | 42.3  | 35.8  | 25.1   | 42.9   |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      | 7.662 | 9.427 | 8.251 | 6.980  | 7.215  | 6.490  | 6.637  | 5.951 | 6.496  | 7.685 | 6.018 | 10.545 | 14.022 |
|           | TOTAL OBS    |      | 114   | 111   | 120   | 135    | 135    | 164    | 188    | 180   | 188    | 191   | 119   | 140    | 1780   |
| 09-11     |              |      | 26.8  | 27.9  | 34.8  | 45.1   | 57.1   | 63.6   | 66.3   | 65.8  | 57.5   | 47.4  | 38.3  | 26.8   | 46.7   |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      | 7.488 | 9.008 | 7.373 | 7.626  | 8.625  | 8.833  | 9.079  | 7.323 | 7.361  | 6.971 | 6.324 | 9.522  | 16.387 |
|           | TOTAL OBS    |      | 112   | 111   | 119   | 138    | 134    | 166    | 195    | 181   | 186    | 195   | 121   | 135    | 1793   |
| 12-14     |              |      | 30.3  | 31.7  | 38.9  | 49.1   | 61.6   | 67.7   | 71.8   | 69.6  | 64.8   | 53.5  | 41.1  | 29.9   | 53.7   |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      | 6.311 | 8.216 | 7.422 | 8.888  | 9.318  | 10.047 | 9.686  | 8.950 | 6.132  | 8.026 | 7.078 | 7.649  | 17.245 |
|           | TOTAL OBS    |      | 110   | 111   | 116   | 126    | 135    | 165    | 190    | 178   | 185    | 192   | 115   | 119    | 1754   |
| 15-17     |              |      | 32.1  | 32.7  | 41.5  | 50.5   | 64.2   | 69.7   | 74.7   | 72.8  | 66.6   | 57.0  | 43.6  | 30.5   | 53.1   |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      | 6.244 | 6.879 | 6.932 | 9.695  | 10.081 | 9.598  | 10.003 | 7.933 | 5.780  | 7.152 | 6.643 | 7.525  | 16.470 |
|           | TOTAL OBS    |      | 41    | 53    | 73    | 89     | 103    | 110    | 135    | 108   | 118    | 96    | 49    | 23     | 998    |
| 18-20     |              |      |       |       |       | 57.0   | 67.0   |        |        |       |        |       |       |        | 63.4   |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      |       |       |       | 10.271 | 12.728 |        |        |       |        |       |       |        | 12.525 |
|           | TOTAL OBS    |      |       |       |       | 5      | 9      |        |        |       |        |       |       |        | 14     |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | TOTAL OBS    |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | TOTAL OBS    |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
| ALL HOURS |              |      | 27.9  | 29.4  | 35.9  | 44.0   | 57.7   | 63.8   | 67.2   | 64.6  | 58.6   | 49.0  | 39.0  | 27.3   | 50.1   |
|           | MEAN         |      |       |       |       |        |        |        |        |       |        |       |       |        |        |
|           | S D          |      | 7.486 | 8.926 | 8.548 | 9.146  | 10.738 | 10.109 | 10.814 | 9.948 | 10.068 | 9.206 | 7.018 | 9.493  | 16.866 |
|           | TOTAL OBS    |      | 377   | 386   | 423   | 505    | 516    | 610    | 708    | 647   | 672    | 674   | 404   | 417    | 6344   |

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# MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

| STATION   | STATION NAME | YEAR  |       |       |       |       |       |       |       |       |       |       |        |        |
|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| WPS US    | JAN          | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |        |
| 03-05     | MEAN         |       |       |       |       | 47.6  |       |       |       |       |       |       | 57.6   |        |
|           | S D          |       |       |       |       | 5.594 |       |       |       |       |       |       | 8.894  |        |
|           | TOTAL OBS    |       |       |       |       | 5     |       |       |       |       |       |       | 3      |        |
| 06-08     | MEAN         | 24.8  | 26.3  | 29.7  | 38.4  | 45.7  | 53.6  | 55.5  | 53.8  | 47.1  | 41.6  | 35.0  | 24.5   | 41.4   |
|           | S D          | 7.276 | 9.073 | 7.737 | 6.400 | 6.182 | 5.516 | 5.538 | 5.557 | 7.984 | 7.675 | 5.407 | 10.328 | 13.116 |
|           | TOTAL OBS    | 114   | 111   | 120   | 125   | 133   | 164   | 188   | 180   | 183   | 191   | 119   | 140    | 1780   |
| 09-11     | MEAN         | 26.3  | 27.2  | 33.3  | 42.1  | 50.7  | 58.6  | 59.6  | 59.1  | 53.4  | 43.4  | 36.8  | 24.1   | 43.2   |
|           | S D          | 7.100 | 8.666 | 6.526 | 6.511 | 6.268 | 5.765 | 6.154 | 5.283 | 6.231 | 6.392 | 5.526 | 9.264  | 13.860 |
|           | TOTAL OBS    | 112   | 111   | 119   | 138   | 134   | 166   | 195   | 181   | 186   | 195   | 121   | 134    | 1792   |
| 12-14     | MEAN         | 29.5  | 30.6  | 36.6  | 44.7  | 52.9  | 58.7  | 62.0  | 61.4  | 57.5  | 49.4  | 38.8  | 22.7   | 48.2   |
|           | S D          | 5.740 | 7.749 | 6.278 | 6.940 | 6.370 | 6.308 | 5.997 | 5.801 | 6.875 | 6.407 | 5.808 | 7.210  | 13.466 |
|           | TOTAL OBS    | 110   | 111   | 116   | 138   | 135   | 165   | 195   | 175   | 182   | 192   | 118   | 119    | 1754   |
| 15-17     | MEAN         | 31.2  | 31.3  | 38.8  | 44.7  | 53.7  | 59.5  | 63.3  | 62.2  | 58.0  | 51.6  | 40.4  | 29.0   | 51.0   |
|           | S D          | 5.826 | 6.348 | 5.655 | 6.681 | 6.530 | 5.106 | 6.368 | 5.498 | 4.674 | 5.634 | 5.816 | 6.846  | 12.308 |
|           | TOTAL OBS    | 41    | 53    | 73    | 89    | 103   | 110   | 125   | 108   | 118   | 86    | 49    | 23     | 998    |
| 18-20     | MEAN         |       |       | 48.2  | 53.1  |       |       |       |       |       |       |       |        | 52.3   |
|           | S D          |       |       | 5.933 | 3.462 |       |       |       |       |       |       |       |        | 8.589  |
|           | TOTAL OBS    |       |       | 5     | 9     |       |       |       |       |       |       |       |        | 14     |
|           | MEAN         |       |       |       |       |       |       |       |       |       |       |       |        |        |
|           | S D          |       |       |       |       |       |       |       |       |       |       |       |        |        |
|           | TOTAL OBS    |       |       |       |       |       |       |       |       |       |       |       |        |        |
|           | MEAN         |       |       |       |       |       |       |       |       |       |       |       |        |        |
|           | S D          |       |       |       |       |       |       |       |       |       |       |       |        |        |
|           | TOTAL OBS    |       |       |       |       |       |       |       |       |       |       |       |        |        |
| ALL HOURS | MEAN         | 27.3  | 28.5  | 34.1  | 42.3  | 50.7  | 58.9  | 59.9  | 58.5  | 52.6  | 46.4  | 37.2  | 26.3   | 46.0   |
|           | S D          | 7.020 | 8.468 | 7.522 | 7.120 | 7.083 | 6.311 | 6.371 | 6.370 | 7.574 | 7.567 | 5.892 | 9.143  | 13.752 |
|           | TOTAL OBS    | 377   | 356   | 425   | 505   | 516   | 610   | 708   | 687   | 672   | 674   | 404   | 416    | 6343   |

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEMOPJAT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

| STATION   | STATION NAME | YEAR | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | TOTAL  |
|-----------|--------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 03-05     |              |      |       |       |       |       |       | 46.0  |       |       |       |       |       |        | 46.0   |
|           |              |      |       |       |       |       |       | 1,225 |       |       |       |       |       |        | 1,225  |
| 06-08     |              |      | 23.7  | 24.7  | 27.9  | 35.3  | 42.9  | 51.1  | 53.3  | 52.5  | 46.0  | 40.9  | 33.9  | 22.7   | 39.7   |
|           |              |      | 7.131 | 9.327 | 7.724 | 6.663 | 6.210 | 3.307 | 5.419 | 5.712 | 7.789 | 7.423 | 5.214 | 11.322 | 13.098 |
|           |              |      | 114   | 111   | 120   | 133   | 135   | 164   | 138   | 150   | 183   | 191   | 119   | 140    | 1780   |
| 09-11     |              |      | 23.0  | 25.3  | 30.3  | 32.7  | 44.8  | 51.8  | 55.0  | 53.3  | 50.1  | 43.3  | 34.7  | 23.9   | 42.0   |
|           |              |      | 7.097 | 9.589 | 6.411 | 6.378 | 6.590 | 5.428 | 5.937 | 5.579 | 6.340 | 6.461 | 5.387 | 10.138 | 13.186 |
|           |              |      | 112   | 111   | 119   | 139   | 134   | 146   | 195   | 181   | 185   | 173   | 121   | 134    | 1792   |
| 12-14     |              |      | 27.9  | 28.6  | 33.3  | 40.1  | 45.1  | 52.2  | 55.6  | 56.0  | 51.9  | 45.8  | 33.6  | 24.3   | 49.6   |
|           |              |      | 5.573 | 8.324 | 3.973 | 6.429 | 6.639 | 5.776 | 5.830 | 5.435 | 3.834 | 6.432 | 3.373 | 7.451  | 12.133 |
|           |              |      | 116   | 111   | 118   | 128   | 135   | 169   | 196   | 178   | 183   | 192   | 113   | 117    | 1754   |
| 15-17     |              |      | 29.3  | 28.7  | 33.5  | 28.6  | 44.6  | 52.2  | 56.2  | 53.1  | 51.8  | 47.0  | 35.4  | 25.8   | 53.7   |
|           |              |      | 5.935 | 6.393 | 5.121 | 5.639 | 6.785 | 6.050 | 6.202 | 5.833 | 5.903 | 6.339 | 5.813 | 7.133  | 11.044 |
|           |              |      | 51    | 50    | 73    | 29    | 103   | 116   | 133   | 193   | 113   | 55    | 49    | 23     | 928    |
| 18-20     |              |      |       |       |       | 37.8  | 52.0  |       |       |       |       |       |       |        | 45.2   |
|           |              |      |       |       |       | 5.265 | 5.436 |       |       |       |       |       |       |        | 9.332  |
|           |              |      |       |       |       | 5     | 7     |       |       |       |       |       |       |        | 12     |
|           |              |      |       |       |       |       |       |       |       |       |       |       |       |        |        |
|           |              |      |       |       |       |       |       |       |       |       |       |       |       |        |        |
|           |              |      |       |       |       |       |       |       |       |       |       |       |       |        |        |
|           |              |      |       |       |       |       |       |       |       |       |       |       |       |        |        |
| ALL HOURS |              |      | 25.9  | 25.3  | 31.3  | 33.3  | 43.4  | 51.8  | 55.0  | 54.8  | 49.7  | 43.9  | 35.0  | 24.3   | 42.4   |
|           |              |      | 5.580 | 8.798 | 7.032 | 6.339 | 6.333 | 5.418 | 5.500 | 5.735 | 6.570 | 7.185 | 5.445 | 9.537  | 12.681 |
|           |              |      | 377   | 384   | 428   | 343   | 316   | 610   | 708   | 667   | 672   | 674   | 404   | 416    | 2843   |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

94199 SIEGENBURG GERMANY GUNNERY RANGE  
STATION

68-70

PERIOD

ALL  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  | 90%  |                              |                       |
| JAN    | ALL            | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 96.5 | 71.6 | 91.9                         | 377                   |
| FEB    |                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 88.7 | 54.0 | 88.5                         | 386                   |
| MAR    |                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.1  | 91.0 | 67.6 | 35.9 | 84.1                         | 428                   |
| APR    |                | 100.0  | 100.0 | 100.0 | 90.4  | 87.3  | 73.9  | 65.2 | 31.9 | 13.0 | 71.5                         | 505                   |
| MAY    |                | 100.0  | 100.0 | 99.2  | 83.2  | 63.9  | 49.0  | 38.8 | 16.7 | 7.8  | 61.5                         | 516                   |
| JUN    |                | 100.0  | 100.0 | 100.0 | 95.2  | 80.2  | 66.5  | 34.1 | 41.1 | 14.9 | 70.7                         | 610                   |
| JUL    |                | 100.0  | 100.0 | 100.0 | 93.8  | 74.1  | 58.6  | 44.4 | 27.9 | 12.7 | 66.8                         | 708                   |
| AUG    |                | 100.0  | 100.0 | 100.0 | 97.2  | 81.1  | 64.6  | 51.6 | 39.8 | 22.5 | 71.5                         | 647                   |
| SEP    |                | 100.0  | 100.0 | 100.0 | 99.5  | 89.2  | 71.4  | 53.8 | 36.5 | 22.2 | 73.2                         | 672                   |
| OCT    |                | 100.0  | 100.0 | 100.0 | 100.0 | 97.4  | 88.7  | 76.2 | 57.5 | 40.9 | 82.3                         | 674                   |
| NOV    |                | 100.0  | 100.0 | 100.0 | 100.0 | 99.6  | 93.3  | 87.6 | 67.6 | 41.1 | 84.9                         | 404                   |
| DEC    |                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.6  | 94.5 | 82.6 | 41.5 | 87.2                         | 416                   |
| TOTALS |                | 100.0  | 100.0 | 99.9  | 96.6  | 89.4  | 80.3  | 71.4 | 54.5 | 31.5 | 77.8                         | 6343                  |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

34199  
STATION

SIEGENBURG GERMANY GUNNERY RANGE  
STATION NAME

69-70  
PERIOD

JAN  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |       |       |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|-------|-------|-------|------|------------------------------|-----------------------|
|        |                | 10°  | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°  |                              |                       |
| JAN    | 00-02          |  |       |       |       |       |       |       |       |      |                              |                       |
|        | 03-05          |  |       |       |       |       |       |       |       |      |                              |                       |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 84.2 | 94.1                         | 114                   |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2  | 79.5 | 93.0                         | 112                   |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 92.7  | 66.4 | 91.0                         | 110                   |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.6  | 95.1  | 56.1 | 89.5                         | 41                    |
|        | 18-20          |  |       |       |       |       |       |       |       |      |                              |                       |
|        | 21-23          |  |       |       |       |       |       |       |       |      |                              |                       |
|        |                |  |       |       |       |       |       |       |       |      |                              |                       |
|        |                |  |       |       |       |       |       |       |       |      |                              |                       |
|        |                |  |       |       |       |       |       |       |       |      |                              |                       |
|        |                |  |       |       |       |       |       |       |       |      |                              |                       |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4  | 96.5  | 71.6 | 91.9                         | 377                   |

## RELATIVE HUMIDITY

333

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |       |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|-------|-------|------|------|------------------------------|------------------------|
|        |                | 10°  | 20    | 30°   | 40%   | 50°   | 60    | 70    | 80°  | 90   |                              |                        |
| FEB    | 00-02          |  |       |       |       |       |       |       |      |      |                              |                        |
|        | 03-05          |  |       |       |       |       |       |       |      |      |                              |                        |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2 | 71.2 | 91.3                         | 111                    |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.4 | 64.0 | 90.2                         | 111                    |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2  | 86.5 | 48.6 | 87.7                         | 111                    |
|        | 15-17          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 75.6 | 32.1 | 84.9                         | 53                     |
|        | 18-2           |  |       |       |       |       |       |       |      |      |                              |                        |
|        | 21-23          |  |       |       |       |       |       |       |      |      |                              |                        |
|        |                |  |       |       |       |       |       |       |      |      |                              |                        |
|        |                |  |       |       |       |       |       |       |      |      |                              |                        |
|        |                |  |       |       |       |       |       |       |      |      |                              |                        |
|        |                |  |       |       |       |       |       |       |      |      |                              |                        |
| TOTALS |                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6  | 88.7 | 34.0 | 88.5                         | 386                    |

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100



1997

1000

6

FORM  
JUL 64

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## PERIOD

68-70

APR

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DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

34199 SIEGENBURG GERMANY GUNNERY RANGE  
STATION STATION NAME

66-70  
PERIOD

MAY  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                       |
| MAY    | 00-02          |  |       |       |       |      |      |      |      |      |                              |                       |
|        | 03-05          |  |       |       |       |      |      |      |      |      |                              |                       |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.3 | 93.3 | 83.7 | 54.1 | 28.9 | 81.5                         | 135                   |
|        | 09-11          | 100.0  | 100.0 | 100.0 | 97.0  | 79.9 | 59.0 | 39.6 | 15.7 | 6.0  | 65.3                         | 134                   |
|        | 12-14          | 100.0  | 100.0 | 100.0 | 80.7  | 54.1 | 36.3 | 23.7 | 9.4  | 3.0  | 56.6                         | 135                   |
|        | 15-17          | 100.0  | 100.0 | 96.1  | 71.8  | 41.7 | 23.3 | 13.6 | 3.9  | 1.0  | 51.0                         | 103                   |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 66.7  | 44.4 | 33.3 | 33.3 |      |      | 53.1                         | 9                     |
|        | 21-23          |  |       |       |       |      |      |      |      |      |                              |                       |
|        |                |  |       |       |       |      |      |      |      |      |                              |                       |
|        |                |  |       |       |       |      |      |      |      |      |                              |                       |
| TOTALS |                | 100.0  | 100.0 | 97.2  | 83.2  | 63.9 | 49.0 | 38.8 | 16.7 | 7.8  | 61.8                         | 316                   |

RELATIVE HUMIDITY

JUN

| MONTH  | HOURS<br>EST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |       |       |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|--------------|--|-------|-------|-------|-------|-------|-------|-------|------|------------------------------|-----------------------|
|        |              | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%   | 90%  |                              |                       |
| JUN    | 00-02        |  |       |       |       |       |       |       |       |      |                              |                       |
|        | 03-05        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 20.0 | 87.8                         | 5                     |
|        | 06-08        | 100.0  | 100.0 | 100.0 | 100.0 | 99.4  | 94.5  | 84.1  | 59.1  | 30.5 | 82.4                         | 164                   |
|        | 09-11        | 100.0  | 100.0 | 100.0 | 98.2  | 85.1  | 58.4  | 42.2  | 22.9  | 13.5 | 67.7                         | 166                   |
|        | 12-14        | 100.0  | 100.0 | 100.0 | 92.1  | 63.6  | 44.2  | 24.2  | 13.2  | 7.3  | 59.9                         | 165                   |
|        | 15-17        | 100.0  | 100.0 | 100.0 | 85.5  | 51.8  | 35.5  | 20.0  | 8.3   | 2.7  | 53.8                         | 110                   |
|        | 18-20        |  |       |       |       |       |       |       |       |      |                              |                       |
|        | 21-23        |  |       |       |       |       |       |       |       |      |                              |                       |
| TOTALS |              | 100.0  | 100.0 | 100.0 | 95.2  | 80.2  | 66.5  | 54.1  | 41.1  | 14.9 | 70.7                         | 610                   |

RELATIVE HUMIDITY

JUL

| MONTH  | HOURS<br>EST. | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|---------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
|        |               | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| JUL    | 00-02         |  |       |       |       |      |      |      |      |      |                              |                         |
|        | 03-05         |  |       |       |       |      |      |      |      |      |                              |                         |
|        | 06-08         | 100.0  | 100.0 | 100.0 | 100.0 | 99.5 | 97.3 | 89.4 | 69.1 | 36.2 | 65.2                         | 188                     |
|        | 09-11         | 100.0  | 100.0 | 100.0 | 99.0  | 82.1 | 63.6 | 47.7 | 27.2 | 9.7  | 68.8                         | 195                     |
|        | 12-14         | 100.0  | 100.0 | 100.0 | 88.9  | 62.1 | 41.6 | 24.7 | 11.6 | 3.2  | 58.9                         | 190                     |
|        | 15-17         | 100.0  | 100.0 | 100.0 | 87.6  | 52.6 | 31.9 | 15.6 | 3.7  | 1.5  | 54.1                         | 135                     |
|        | 18-20         |  |       |       |       |      |      |      |      |      |                              |                         |
|        | 21-23         |  |       |       |       |      |      |      |      |      |                              |                         |
| TOTALS |               | 100.0  | 100.0 | 100.0 | 92.8  | 74.1 | 58.6 | 44.4 | 27.9 | 12.7 | 66.8                         | 703                     |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

34199 SIEGENBURG GERMANY GUNNERY RANGE  
STATION STATION NAME

68-70  
PERIOD

AUG  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>SET | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|--------------|--|-------|-------|-------|-------|------|------|------|------------------------------|-----------------------|
|        |              | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%                          |                       |
| AUG    | 00-02        |  |       |       |       |       |      |      |      |                              |                       |
|        | 03-05        |  |       |       |       |       |      |      |      |                              |                       |
|        | 06-08        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 58.9 | 97.2 | 83.6 | 59.4                         | 180                   |
|        | 09-11        | 100.0  | 100.0 | 100.0 | 100.0 | 94.5  | 83.1 | 83.5 | 46.4 | 19.9                         | 181                   |
|        | 12-14        | 100.0  | 100.0 | 100.0 | 97.2  | 74.2  | 46.6 | 32.6 | 22.5 | 10.7                         | 178                   |
|        | 15-17        | 100.0  | 100.0 | 100.0 | 91.7  | 55.5  | 27.8 | 13.0 | 4.6  |                              | 108                   |
|        | 18-20        |  |       |       |       |       |      |      |      |                              |                       |
|        | 21-23        |  |       |       |       |       |      |      |      |                              |                       |
|        |              |  |       |       |       |       |      |      |      |                              |                       |
| TOTALS |              | 100.0  | 100.0 | 100.0 | 97.2  | 81.1  | 64.6 | 51.6 | 39.5 | 22.5                         | 647                   |

I DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# RELATIVE HUMIDITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 6870

SEP

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |       |      |      | MEAN<br>REL. HUMIDITY | TOTAL<br>NO. OF<br>OBS |
|--------|--------------|--|-------|-------|-------|-------|-------|-------|------|------|-----------------------|------------------------|
|        |              | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%  | 90%  |                       |                        |
| SEP    | 00-02        |  |       |       |       |       |       |       |      |      |                       |                        |
|        | 03-05        |  |       |       |       |       |       |       |      |      |                       |                        |
|        | 06-08        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 88.0 | 63.4 | 91.9                  | 163                    |
|        | 09-11        | 100.0  | 100.0 | 100.0 | 100.0 | 97.6  | 91.4  | 75.4  | 39.8 | 16.1 | 77.2                  | 166                    |
|        | 12-14        | 100.0  | 100.0 | 100.0 | 99.8  | 85.4  | 35.1  | 21.4  | 11.6 | 4.3  | 64.2                  | 169                    |
|        | 15-17        | 100.0  | 100.0 | 100.0 | 98.8  | 78.9  | 39.0  | 21.2  | 6.8  | 3.1  | 54.5                  | 128                    |
|        | 18-20        |  |       |       |       |       |       |       |      |      |                       |                        |
|        | 21-23        |  |       |       |       |       |       |       |      |      |                       |                        |
| TOTALS |              |  |       |       |       |       |       |       |      |      |                       |                        |
|        |              | 100.0  | 100.0 | 100.0 | 99.8  | 89.2  | 71.4  | 35.0  | 20.3 | 22.2 | 73.2                  | 672                    |

RELATIVE HUMIDITY

OCT

| MONTH  | HOURS | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |     |
|--------|-------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|------------------------|-----|
|        |       | 0%   | 10%   | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  |                              |                        | 90% |
| 007    | 00-02 |  |       |       |       |       |      |      |      |      |                              |                        |     |
|        | 03-05 |  |       |       |       |       |      |      |      |      |                              |                        |     |
|        | 06-08 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 96.9 | 94.2 | 82.7 | 95.0                         | 191                    |     |
|        | 09-11 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.4 | 90.8 | 73.3 | 48.7 | 87.2                         | 195                    |     |
|        | 12-14 | 100.0  | 100.0 | 100.0 | 100.0 | 95.8  | 85.4 | 62.0 | 38.5 | 22.9 | 76.5                         | 192                    |     |
|        | 15-17 | 100.0  | 100.0 | 100.0 | 100.0 | 93.8  | 75.0 | 46.9 | 24.0 | 9.4  | 70.3                         | 96                     |     |
|        | 18-20 |  |       |       |       |       |      |      |      |      |                              |                        |     |
|        | 21-23 |  |       |       |       |       |      |      |      |      |                              |                        |     |
| TOTALS |       | 100.0  | 100.0 | 100.0 | 100.0 | 97.4  | 88.7 | 74.2 | 57.5 | 40.9 | 82.3                         | 674                    |     |

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

34199 SIEGENBURG GERMANY GUNNERY RANGE  
STATION STATION NAME

63-70  
PERIOD

NOV  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|--------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-----------------------|
|        |              | 0%   | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                       |
| NOV    | 00-02        |  |       |       |       |       |      |      |      |      |                              |                       |
|        | 03-05        |  |       |       |       |       |      |      |      |      |                              |                       |
|        | 06-08        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 97.5 | 92.4 | 73.9 | 92.9                         | 119                   |
|        | 09-11        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 96.7 | 93.4 | 75.2 | 49.6 | 87.4                         | 121                   |
|        | 12-14        | 100.0  | 100.0 | 100.0 | 100.0 | 98.3  | 89.6 | 86.1 | 60.0 | 34.8 | 82.6                         | 115                   |
|        | 15-17        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 87.8 | 73.5 | 42.9 | 2.1  | 76.6                         | 49                    |
|        | 18-20        |  |       |       |       |       |      |      |      |      |                              |                       |
|        | 21-23        |  |       |       |       |       |      |      |      |      |                              |                       |
| TOTALS |              | 100.0  | 100.0 | 100.0 | 100.0 | 99.6  | 93.3 | 87.6 | 67.6 | 41.1 | 84.9                         | 404                   |

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# RELATIVE HUMIDITY

34199 SIEGENBURG GERMANY GUNNERY RANGE  
STATION

68-70

DEC

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |
|--------|--------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|------------------------|
|        |              | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  | 90%  |                              |                        |
| DEC    | 00-02        |  |       |       |       |       |       |      |      |      |                              |                        |
|        | 03-05        |  |       |       |       |       |       |      |      |      |                              |                        |
|        | 06-08        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.9 | 69.2 | 39.3 | 90.4                         | 140                    |
|        | 09-11        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.5  | 94.8 | 85.8 | 36.0 | 88.9                         | 134                    |
|        | 12-14        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 94.1 | 81.5 | 42.0 | 86.7                         | 119                    |
|        | 15-17        | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 91.3 | 78.9 | 8.7  | 82.9                         | 23                     |
|        | 18-20        |  |       |       |       |       |       |      |      |      |                              |                        |
|        | 21-23        |  |       |       |       |       |       |      |      |      |                              |                        |
|        |              |  |       |       |       |       |       |      |      |      |                              |                        |
|        |              |  |       |       |       |       |       |      |      |      |                              |                        |
| TOTALS |              | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.6  | 94.5 | 82.6 | 41.5 | 87.2                         | 416                    |

DATA PROCESSING DIVISION  
 5140 10 F  
 AIR WEATHER SERVICE (WAC)  
 ASHEVILLE, NORTH CAROLINA

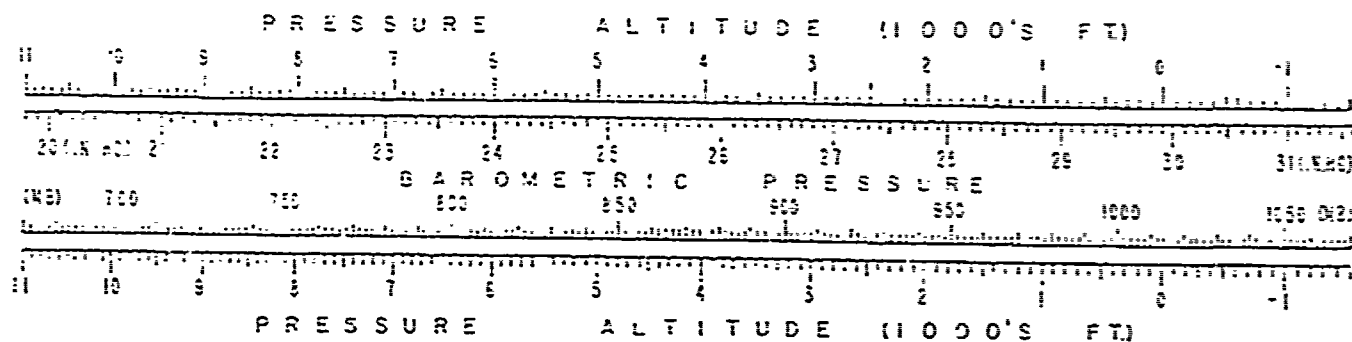
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times 00T. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

24199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

| STATION   |                          | YEARS  |        |        |        |        |        |        |        |        |        |        |         |
|-----------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| HRS. EST. |                          | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | ANN. A. |
| 01        | MEAN<br>S D<br>TOTAL OBS |        |        |        |        |        |        |        |        |        |        |        |         |
| 04        | MEAN<br>S D<br>TOTAL OBS |        |        |        |        | 28.665 |        |        |        |        |        |        | 28.665  |
| 07        | MEAN<br>S D<br>TOTAL OBS | 28.509 | 28.394 | 28.460 | 28.529 | 28.592 | 28.631 | 28.686 | 28.611 | 28.632 | 28.713 | 28.541 | 28.643  |
| 10        | MEAN<br>S D<br>TOTAL OBS | 28.533 | 28.405 | 28.464 | 28.547 | 28.606 | 28.638 | 28.694 | 28.610 | 28.694 | 28.735 | 28.593 | 28.658  |
| 13        | MEAN<br>S D<br>TOTAL OBS | 28.524 | 28.413 | 28.451 | 28.544 | 28.580 | 28.622 | 28.682 | 28.609 | 28.673 | 28.718 | 28.540 | 28.606  |
| 16        | MEAN<br>S D<br>TOTAL OBS | 28.507 | 28.402 | 28.473 | 28.541 | 28.569 | 28.610 | 28.668 | 28.593 | 28.642 | 28.733 | 28.472 | 28.754  |
| 19        | MEAN<br>S D<br>TOTAL OBS |        |        |        |        |        |        |        |        |        |        |        |         |
| 22        | MEAN<br>S D<br>TOTAL OBS |        |        |        |        |        |        |        |        |        |        |        |         |
| ALL HOURS | MEAN<br>S D<br>TOTAL OBS | 28.520 | 28.404 | 28.461 | 28.540 | 28.587 | 28.626 | 28.683 | 28.609 | 28.683 | 28.725 | 28.584 | 28.641  |

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

34199 SIEGENBURG GERMANY GUNNERY RANGE

| STATION   |    | STATION NAME |     |     |     |     |     |     |     |     |     |     |     | YEARS |  |  |  | NO. | DE. | ANN. A. |
|-----------|----|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--|--|--|-----|-----|---------|
| HRS       | LT | JAN          | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |       |  |  |  |     |     |         |
| 01        |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
| 04        |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
| 07        |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
| 10        |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
| 13        |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
| 16        |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
| 19        |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
| 22        |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
| ALL HOURS |    | MEAN         |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | S D          |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |
|           |    | TOTAL OBS    |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |     |     |         |